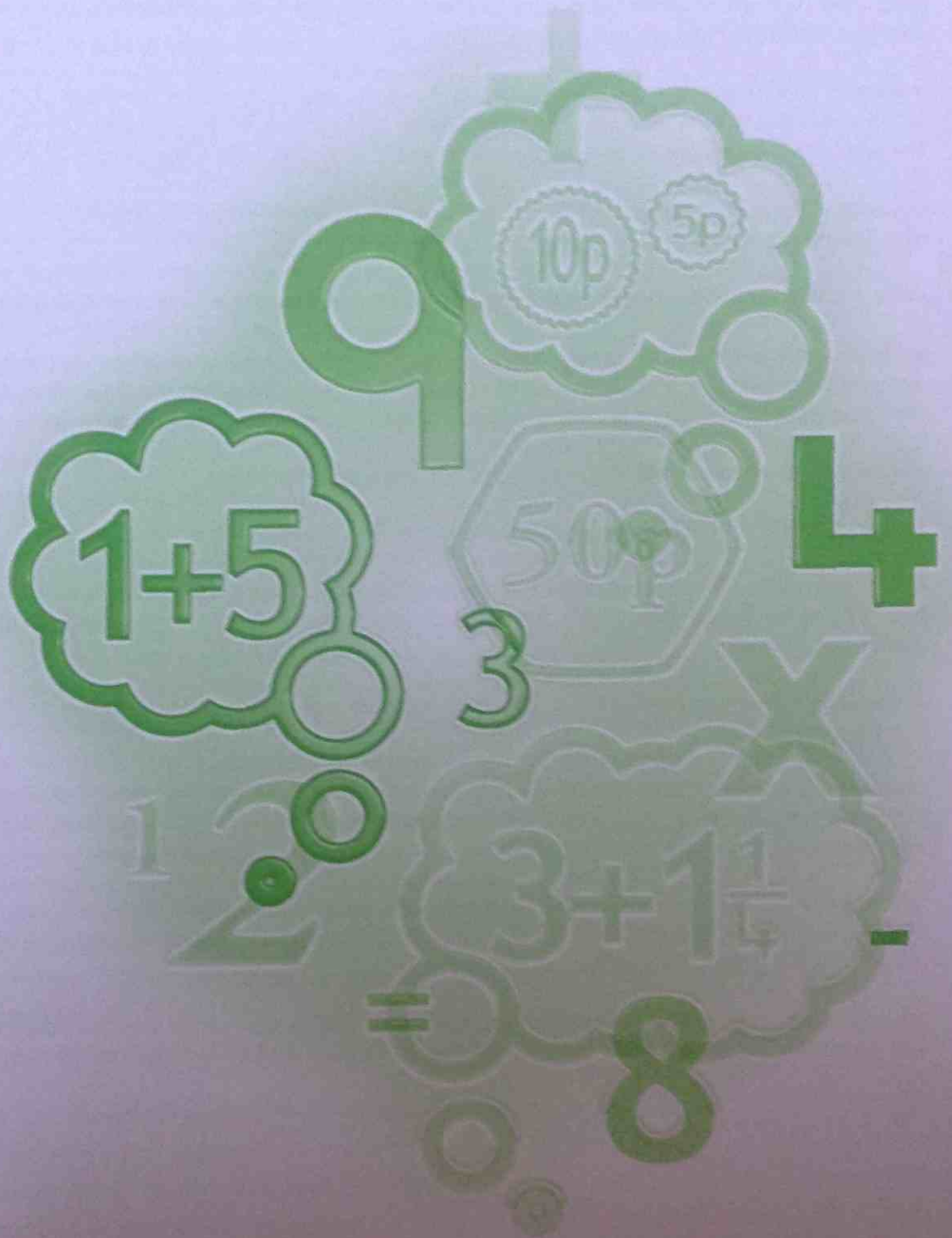


Mental Arithmetic 3

Name _____



Contents

Section 1	Tests 1 to 12, covering revision of Book 2 plus the following topics:	
	Number: Thousands, hundreds, 10s, units. Place value. Reading and writing numbers to 10 000. Decomposition of numbers. Use of signs =, +, −, ×, ÷, and associated vocabulary. Number facts to 18; 10s and units; hundreds and 10s. Multiplication and division tables 2 to 10. Multiplication with addition. Division with remainders. Four rules, miscellaneous examples.	
	Fractions: Practical applications. Easy fractional parts of given quantities. Equivalent fractions; addition and subtraction.	
	Money: Coins to £1. Coin manipulation; equivalents, conversions. Writing amounts as pence, as £s. Shopping calculations, change. Four rules, miscellaneous examples.	
	Measures: Length: mm, cm; cm, m; m, km; mm, m. Mass: g, kg. Capacity: ml, l. Fractional parts, conversions.	
	Time: Telling the time. a.m., p.m. Clocks: fast and slow. Miscellaneous examples using min, h, days, weeks, months, years. Finding periods of time. Time, distance, speed, km/h.	
	Shapes and angles: Squares, rectangles. Circles – diameter. Triangles – identification by angles (right-angled, acute, obtuse). The compass, direction. Right angles, turning.	16
	Progress Test 1	17
	Progress Test 1 Results Chart	18
Section 2	Tests 1 to 12, covering topics from Section 1 plus the following:	
	Number: Multiplication by 10; by 100. Series. Square numbers	
	Fractions: Equivalent fractions including conversion of tenths to hundredths. Reduction to lowest terms. Decimals; tenths, hundredths. Equivalents. Multiplication by 10, by 100, division by 10, by 100. Miscellaneous examples.	
	Money: Decimal fractions of £1. Unequal sharing. Discounts. Costings. Best buys.	
	Measures: Length. Mass. Capacity. Introduction of decimal parts. Approximation to nearest m, $\frac{1}{2}$ m, km; kg, $\frac{1}{2}$ kg; l, $\frac{1}{2}$ l. Reading dials. Interpretation of lines drawn to different scales.	
	Shapes and angles: Perimeter. Parallel lines. Perpendiculars. Rhombus. Circles: circumference; angle at the centre. Number of degrees: in a triangle, in a quadrilateral.	
	Time: Equivalence; s, min; s in $\frac{1}{2}$ min; in $\frac{1}{4}$ min; in $\frac{3}{4}$ min. Conversion: 12-hour clock times; 24-hour clock times. Miscellaneous problems.	
	Progress Test 2	30
	Progress Test 2 Results Chart	31
Section 3	Tests 1 to 12, covering topics from Sections 1 and 2 plus the following:	32
	Number: Averages. Approximation to nearest whole, 10, 100, 1000.	
	Measures: Mass/capacity relationship of water: 1 kg, 1l; 1g, 1ml.	
	Shapes and angles: Radius. Hexagon. Triangles: identification by sides (isosceles, equilateral, scalene). Degrees in a straight angle. Parallelogram.	
	Time: Timetable; 24-hour clock. Days in a year, a leap-year. The calendar.	
	Area: By counting squares; $l \times b$. Comparison of surface area.	

Section 1 Test 1

A

ANSWER

1



Write in words the number shown on the abacus picture.

2 $(3 \times 9) + 6$ _____

3 $5 + \quad = 13$ _____

4 $9 \text{ cm } 4 \text{ mm} = \quad \text{mm}$ _____

5 $237\text{p} = \text{£}$ _____

6 80×10 _____

7 $(18 \div 3) - (16 \div 4)$ _____

8 $3 \text{ TENS} - 23\text{p}$ _____ p

9 $28\text{p} + 80\text{p} = \text{£}$ _____

10 $\text{£}6 = \quad \text{FIFTIES}$ _____ FIFTIES

11 $1 \text{ h } 50 \text{ min} = \quad \text{min}$ _____ min

12 $300 - 175$ _____

B

ANSWER

1 Add four hundred to one thousand and ten. Answer in figures. _____

2 Increase 29 by 33. _____

3 Find the change from a FIFTY after spending 28p. _____ p

4 Multiply $\text{£}0.40$ by 8. _____ £

5 Write 87 to the nearest 10. _____

6 Divide 200 by 10. _____

7 Write as £s the sum of 26p, 28p and 50p. _____ £

8 $27\text{p} = \quad \text{FIVES}$ plus 6 TWOS _____ FIVES

9 How many tenths in $1\frac{1}{2}$? _____ $\frac{10}{10}$

10 Subtract 36p from $\text{£}1$. _____ p

11 How many TWOS have the same value as 4 TENS? _____ TWOS

12 Find the cost of one if 10 cost $\text{£}1$. _____ p

C

ANSWER

1

1 2 4 6 8 9

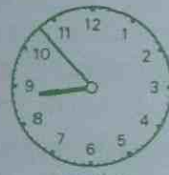
Which of these numbers will not divide into 36 without a remainder?

2

$24 + 28 = x + 12$
Find the value of x.

3

How much greater is 4×7 than $4 + 7$?



evening

This clock is 14 min slow. Write the correct time using a.m. or p.m.

5

By how much is the value of 15 TWOS less than the value of 9 FIVES?

6

If 100 grams of grapes cost 30p how much will 350 grams cost?

7

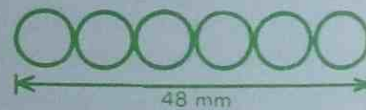
$(54 \div 9) + (6 \times 6)$

8

0 7 9 1

Arrange these figures to make the largest possible number.

9



Find the diameter of each of the circles.

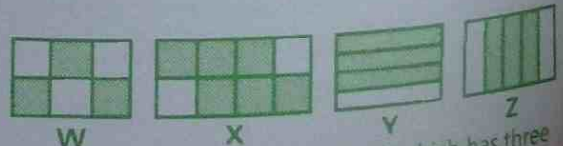
10

If $\frac{1}{2}$ kg costs 86p, how much will $\frac{3}{4}$ kg cost?

11

Posts on a motorway are 100 m apart. Find in km the distance between 11 of the posts.

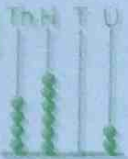
12



Name the two rectangles each of which has three quarters shaded.

Section 1 Test 2

A ANSWER

1  Write in words the number shown on the abacus picture.

2 $180 + 30$ _____

3 $600 \div 10$ _____

4 $98 \text{ mm} =$ _____ cm _____ mm

5 $(8 \times 8) + 7$ _____

6 $204 \text{ cm} =$ _____ m _____ cm

7 $240 - 70$ _____

8 $\pounds 4 =$ _____ TWENTIES

9 $\frac{1}{3}$ of 25 + $\frac{1}{2}$ of 7 _____

10 $22 + 8 + 34$ _____

11 $75 \text{ min} =$ _____ h _____ min

12 $\pounds 1.00 -$ _____ $\text{p} = 53\text{p}$

B ANSWER

1 Write in figures three thousand one hundred and fourteen. _____

2 By how many g is 820 g less than 1 kg? _____ g

3 Divide 1 metre by 5. Answer in cm. _____ cm

4 Find the change from a FIFTY after spending 16p. _____ p

5 Find the cost of one if 10 cost $\pounds 2$. _____ p

6 How many eighths in 5 whole ones? _____ $\frac{8}{8}$

7 $84\text{p} = 7 \text{ TENS} +$ _____ TWOS

8 Find the sum of $\pounds 0.24$ and $\pounds 0.69$. _____ \pounds

9 What must be added to 75p to make $\pounds 1.50$? _____ p

10 How many min from 7.47 a.m. to 8.15 a.m.? _____ min

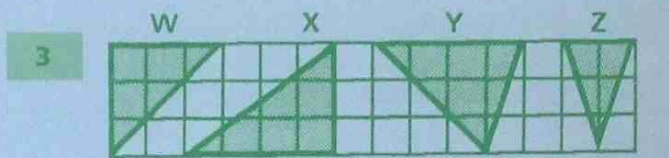
11 One costs $\pounds 0.49$. Find the cost of 3. _____ \pounds

12 Find the difference between 7×9 and 9×6 . _____

C ANSWER

1 Take two thousand and twenty from 2222. _____


2 What number other than 1, 3 and 27 will divide into 27 without leaving a remainder? _____



Which of the triangles is a right-angled triangle and has two equal sides? _____

4 One quarter of a class of 32 children wear spectacles. How many children do not wear them? _____

5 Which 3 coins are given in change from $\pounds 2$ after spending $\pounds 1.35$? _____ p _____ p _____ p

6  Write the total mass of the 4 tins in kg and g. _____ kg _____ g

7 If Jack walks at 6 kilometres per hour, how far will he walk from 8.30 a.m. to 11.00 a.m.? _____ km

8 Find the difference between (7×10) and (7×100) . _____

9 Mother bought a box containing 500 straws. If she uses 20 straws each week, for how many weeks will the straws last? _____

10 Write the sum of $\pounds 0.36$, $\pounds 1.24$ and $\pounds 1.40$. _____ \pounds

11

class 1	class 2	class 3	class 4
25	26	25	24

How many children altogether in the 4 classes? _____

12 If meat is sold at $\pounds 2$ per $\frac{1}{2}$ kg, how many grams can be bought for
(a) $\pounds 1$ _____ g
(b) 50p? _____ g

Section 1 Test 3

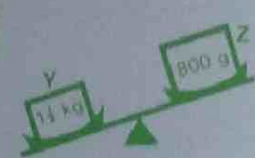
A ANSWER

- $910 + 90$ _____
- $18p + 7p = 1 \text{ TWENTY} + \text{ } p$ _____ p
- 15×10 _____
- A FIFTY - 18p _____ p
- $(10 \times 0) + (4 \times 8)$ _____
- $43 + 47$ _____
- $400 - 120$ _____
- $1 \text{ kg} - 250 \text{ g}$ _____ g
- $\text{£}3 = \text{ } \text{ FIVES}$ _____ FIVES
- $1 \text{ h } 45 \text{ min} = \text{ } \text{ min}$ _____ min
- $\text{£}2.67 = \text{ } \text{ TENS} + 7p$ _____ TENS
- $(\frac{1}{8} \text{ of } 42) + (\frac{1}{5} \text{ of } 30)$ _____

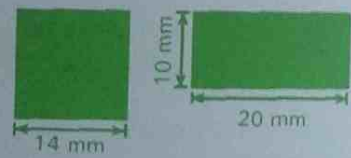
B ANSWER


- Find the total of 29 and 81. _____
- What is the change from a FIFTY after spending 19p and 18p? _____ p
- Decrease 20 cm by 20 mm. _____ cm
- Multiply 6 by 7 and add 8. _____
- Write 124 mm to the nearest cm. _____ cm
- What sum of money is six times greater than £0.19? _____ £
- $\text{£}0.68 = 1 \text{ FIFTY} + \text{ } \text{ TWOS}$ _____ TWOS
- $\frac{1}{2} \text{ kg}$ costs £1.50. What is the cost of 100 g? _____ p
- How many FIVES are equal to £2.75? _____ FIVES
- How many times greater is £4.20 than 42p? _____
- How many days altogether in the 6th and 7th months of the year? _____ days
- How much change from 4 TWENTIES after buying 8 buttons at 9p each? _____ p

C ANSWER

- Write this date in figures only. The twenty-first day of August nineteen eighty-three _____
- 

How many more grams must be placed on pan Z to make the scales balance? _____ g
- $(4 \times 0) + (1 \times 9) + (10 \times 1)$ _____
- | |
|------------|
| 2 TWENTIES |
| 6 TENS |
| 9 FIVES |
| 4 TWOS |

Katie made this list of the coins she had saved. How much had she altogether? _____ £
- 1 TWENTY and a FIVE were given as change from £2. How much had been spent? _____ £
- Write the missing signs +, -, × or ÷ in place of ● and ▲.
 $9 \bullet 4 = 25 \blacktriangle 5$ _____
 $9 \blacktriangle 4 = 25 \bullet 5$ _____
- 

How much greater is the distance round the rectangle than the distance round the square? _____ mm
- If 1 kg costs £1, find the cost of
 (a) 100 g _____ p
 (b) 300 g. _____ p
- Add three-quarters of 24 to one-seventh of 56. _____
- Samina was born in January but Hassan was born 5 months earlier. In what month was Hassan born? _____
- 5 biscuits of equal value cost 40p. What do 3 of the biscuits cost? _____ p
- 

Tom and Sophie travel from home to school and back once a day. How many km more does Sophie travel in 5 days than Tom? _____ km

Section 1 Test 4

A ANSWER

1 $485 = \underline{\quad}$ tens + 5 units TENS

2 $2\frac{1}{2}$ kg = $\underline{\quad}$ g g

3 $2000 + 900 + 70 + 6$ _____

4 $25 \text{ cm} = \underline{\quad}$ mm mm

5 $9000 \div 10$ _____

6 $\text{£}1.00 - 82\text{p}$ p

7 $37 \div 4 = \underline{\quad}$ rem. rem.

8 $\underline{\quad}$ p - $8\text{p} = 5\text{p}$ p

9 $3103 + 97$ _____

10 $\text{£}2 = \underline{\quad}$ TWOS TWOS

11 1 litre - 350 ml ml

12 $(9 \times 9) \div 8$ _____

B ANSWER

1 $\frac{1}{3}$ of a number is 8. What is the number? _____

2 Subtract $\text{£}1.27$ from $\text{£}2$. p

3 Multiply $\text{£}2.08$ by 6. £

4 Add 6 to the product of 7 and 7. _____

5 Find the remainder when 71 is divided by 8. _____

6 28p plus 46p plus $\underline{\quad}$ p = $\text{£}1$ p

7 Add the odd numbers between 24 and 28. _____

8 Increase $12\frac{1}{2}$ cm by 25 mm. cm

9 How many metres in $25 \text{ cm} \times 8$? m

10 8 badges cost 64p. What did one cost? p

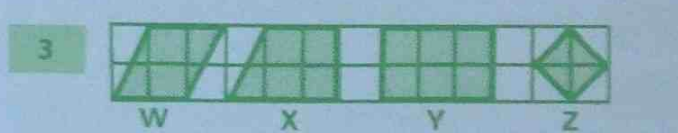
11 How many years from 1875 to 1985? _____

12 If one costs $\text{£}0.05$, find the cost of 100. £

C ANSWER

1 Write the time 12 hours after 8 p.m. Use a.m. or p.m. _____

2 A man walked steadily from 11 a.m. to 2.30 p.m. at 5 kilometres per hour. How far did he walk? km



(a) Which of the shapes has two pairs of parallel lines, four sides of equal length and four right angles? (a) _____


(b) Name this shape. (b) _____

4 Find the change from $\text{£}3$ after spending $\text{£}1.38$ and $\text{£}0.22$. £

5 If 6 lemons cost 90p what is the cost of (a) 1 lemon (a) p


(b) 4 lemons? (b) p

6 By how many is $\frac{3}{5}$ of 20 greater than $\frac{2}{5}$ of 20? _____

7  Write the total capacity of the 3 cans in l and ml. l ml

8 In a class of 14 boys and 16 girls 3 children were absent. What fraction of the children were (a) absent

(b) present? (a) _____ (b) _____

9  A boy faces North. He turns left until he faces East. Through how many right angles does he turn? _____

10 How many packets of sweets each having a mass of 250 g can be made from a $4\frac{1}{2}$ -kg pack? _____

11 The distance round a triangle having equal sides is 54 cm. Write the length in mm of each side. mm

12 A packet of biscuits has a mass of 188 g. Write the mass of 10 packets (a) to the nearest 100 g (a) g

(b) to the nearest kg. (b) kg

Section 1 Test 5

A

ANSWER

- A FIFTY - 13p _____ p
- 500 = _____ tens _____
- $2 - \frac{2}{3}$ _____
- 186 cm = _____ m _____ cm
- 2200 + 800 _____
- 167 mm = _____ cm _____ mm
- 11.16 a.m. to noon = _____ min
- 210×10 _____
- $15 - 6 =$ _____ + 3 _____
- $77p + 25p$ _____ £
- $(5 \times 9) + 16$ _____
- $(72 \div 9) + (0 \div 3)$ _____

B

ANSWER

- Find the sum of £1.80 and £0.18. _____ £
- Subtract 40 mm from 15 cm. _____ cm
- Write in figures three thousand and fifty-nine. _____
- Write in figures the time which is $4\frac{1}{4}$ hours after midday. Use a.m. or p.m. _____
- Multiply 9 by 90. _____
- Add £0.19 to £2.36. _____ £
- Find the difference between £5 and £3.44. _____ £
- Write in figures the number which is half of nine thousand. _____
- Find in cm, $\frac{3}{10}$ of a half metre. _____ cm
- What is the product of 5 and 75? _____
- What must be added to 13p and 16p to equal 40p? _____ p
- Find the cost of one if 10 cost £25. _____ £

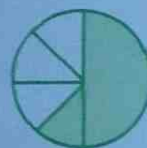
C

ANSWER

- Find the cost of $1\frac{1}{2}$ kg at 28p per kg. _____ p
- | |
|-----------|
| 3 TENS |
| 14 FIVES |
| 8 TWOS |
| 4 pennies |

 Olivia exchanged these coins for TWENTIES. How many did she get? _____ TWENTIES
- How far will a cyclist travel in $\frac{1}{2}$ hour if he cycles at 18 kilometres per hour? _____ km
- How many months in a year have 31 days? _____
- A man travelled 400 km in 3 days. On the first day he travelled 130 km and on the second day 228 km. How far did he travel on the third day? _____ km

6



What fraction of the circle is
(a) shaded
(b) unshaded? (a) _____ (b) _____

7

Tape costs 12p per $\frac{1}{2}$ metre. Find the cost of 125 cm. _____ p

8

By how much is 25p divided by 5 less than 25p multiplied by 8? _____ £

9

Sundeep saved 55p each week for 8 weeks. How much short of £5 has he saved? _____ £

10

Sophie had 45p left after spending £1.08 and £0.27. How much had she at first? _____ £

11

SILVERSIDE SCHOOL	
NUMBER ON ROLL	BOYS 33 GIRLS 29

The children were placed in two mixed classes of equal numbers.

How many children were there in each class? _____

12

Write the missing signs +, -, × or ÷ in place of ● and ▲.
 $9 \bullet 5 \blacktriangle 6 = 8$

Section 1 Test 6


A ANSWER


- $8000 + \quad + 40 + 8 = 8548$ _____
- 5 weeks = _____ days
- $420 + 10$ _____
- $£1.00 - 28p$ _____ p
- $1030 + 70$ _____
- $1\text{ l} - 450\text{ ml}$ _____ ml
- $£1.50 =$ TWENTIES + 2 FIVES _____ TWENTIES
- $6 + \quad = 9 + 4$ _____
- $63\text{ cm} + 38\text{ cm} =$ m cm _____ m cm
- $(7 \times 6) + (4 \times 0)$ _____
- $(\frac{1}{5}\text{ of } 54) + (\frac{1}{3}\text{ of } 12)$ _____
- $(4 \times 5) + (4 + 5)$ _____


B ANSWER

- Find the difference in cm between 5 m and 465 cm. _____ cm
- How many thirds in 3 whole ones? _____ 3
- Divide $£4.20$ by 7. _____ p
- Subtract 60 cm from $1\frac{1}{2}$ m. _____ cm
- Write in figures the time which is $2\frac{3}{4}$ hours after 11 a.m. Use a.m. or p.m. _____
- Find the sum of $£0.48$ and $£1.54$. _____ £
- $£0.70 = 3$ TENS + 3 FIVES + _____ p
- $18p + 18p + 18p + 18p$ _____ p
- How many FIFTIES would be exchanged for $£9.50$? _____ FIFTIES
- Find the cost of 10 if one costs 25p. _____ £
- Multiply $£1.99$ by 3. _____ £
- How many biscuits each costing 4p can be bought for $£2$? _____

C ANSWER

- From five thousand subtract nine hundred. Write the answer in figures. _____
- Divide the sum of 4p, 6p, 8p and 10p into 4 equal amounts. How much is each amount? _____ p
- What number must be subtracted from 58 to leave 29? _____
-  How much will 36 cards cost? _____ £
- $18 + 9 - x = 10$
Find the value of x. _____
- Find the change from $£1$ after buying 6 pencils at 14p each. _____ p
- How much greater is $£0.72 \div 8$ than $42p \div 6$? _____ p

-  Find the total cost of 6 tins of tomatoes and 3 tins of tuna. _____ £
- What is the mass in kg and g of
 - the 6 tins of tomatoes (a) _____ kg _____ g
 - the 3 tins of tuna? (b) _____ kg _____ g

- 

Which of the triangles is


 - a right-angled triangle (a) _____
 - an acute-angled triangle (b) _____
 - an obtuse-angled triangle? (c) _____

- Take $\frac{1}{4}$ of 100 from $\frac{7}{10}$ of 100. _____
- How many minutes longer is it from 9.10 a.m. to noon than from 1.30 p.m. to 4.00 p.m.? _____ min

Section 1 Test 7

A	ANSWER
1	$3\frac{1}{2}$ metres = _____ cm
2	$\pounds 1.50 + 65\text{p} = \pounds$ _____
3	1 l 600 ml = _____ ml
4	$2000 + \quad + 6 = 2036$
5	A FIFTY - 21p _____ p
6	From noon to 4.15 p.m. = _____ h _____ min
7	70×100 _____
8	$(9 \times 7) + (8 \times 5)$ _____
9	$4046 + 54$ _____
10	$17 - 8 - 4$ _____
11	25 TWOS = _____ TENS
12	$(49 \div 7) + (36 \div 6)$ _____

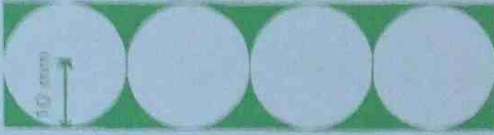
B	ANSWER
1	Find the product of 6 and 14. _____
2	How much greater is $\pounds 5$ than $\pounds 3.31$? _____ \pounds
3	Find the total of the odd numbers between 6 and 12. _____
4	How many fifths are equal to eight tenths? _____ $\frac{5}{5}$
5	Multiply 12p by 7. _____ p
6	Subtract 200 g from $\frac{1}{4}$ kg. _____ g
7	4 pencils cost 60p. Find the cost of 1 pencil. _____ p
8	Find the difference in length between $1\frac{1}{2}$ m and 135 cm. _____ cm
9	Write 96 mm to the nearest cm. _____ cm
10	How many times smaller is 80 than 8000? _____
11	100 cost $\pounds 4.00$. What is the cost of one? _____ p
12	Write as \pounds s the value of 39 FIVES. _____ \pounds



C	ANSWER				
1	Ahmed has $\pounds 1.56$ and Katie has $\pounds 1.44$. If they share their money equally, how much does each have? _____ \pounds				
2	A car travels at 75 km/h. How far will it travel in 4 hours? _____ km				
3	Find the cost of 500 g if 200 g cost 40p. _____ \pounds				
4	How many times larger than 25 is (a) two hundred and fifty (a) _____ (b) two thousand five hundred? (b) _____				
5	A concert started at 7.15 p.m. The programme lasted for $1\frac{1}{2}$ hours. There was also a 10-minute interval. At what time did the concert end? _____ p.m.				
6	Write 4 m 45 cm as (a) cm (a) _____ cm (b) mm. (b) _____ mm				
7	Find the change from $\pounds 2$ after buying $3\frac{1}{4}$ kg at 40p per kg. _____ p				
8	Five less than three thousand one hundred. Write the answer in figures. _____				
9	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>30</td> <td>35</td> <td>39</td> <td>42</td> </tr> </table> How much greater is the sum of the odd numbers in the box than the sum of the even numbers? _____	30	35	39	42
30	35	39	42		
10	Emily has 80p pocket money. She saves $\frac{1}{5}$ and spends the remainder. How much does she (a) save (a) _____ p (b) spend? (b) _____ p				
11	 9 trays each containing 6 cakes were bought for a party. If 9 cakes were left over, how many had been eaten? _____				
12	Write all the numbers between 40 and 60 which can be divided by 7 without a remainder. _____				

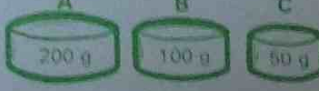
Section 1 Test 8

A	ANSWER
1 $2 \times 2 \times 2$	_____
2 $p + \text{£}1.28 = \text{£}1.50$	_____ p
3 $290 + 120$	_____
4 $2\frac{1}{4}$ metres = _____ cm	_____ cm
5 $3000 + 100$	_____
6 $10p + 10p + 5p - 14p$	_____ p
7 $110 \text{ mm} =$ _____ cm	_____ cm
8 28 FIVES = _____ TWENTIES	_____ TWENTIES
9 $2\frac{3}{4} \text{ kg} =$ _____ g	_____ g
10 $(7 \times 6) + (8 \times 0)$	_____
11 48 hours = _____ days	_____ days
12 $(\frac{1}{9} \text{ of } 27) - (\frac{1}{8} \text{ of } 8)$	_____

B	ANSWER
1 Find the change from 2 TWENTIES after spending 23p.	_____ p
2 Write 4750 g to the nearest kg.	_____ kg
3 Find the product of 8 and 65.	_____
4 How many badges costing 6p each can be bought for £3.00?	_____
5 How many months in 5 years?	_____
6 What must be added to £2.52 to make £5?	_____ £
7 A 64-cm strip is cut into eight equal pieces. Write the length in mm of one piece.	_____ mm
8 Multiply 16 by 7.	_____
9 Decrease $5\frac{1}{4}$ m by 50 cm. Answer in m.	_____ m
10 If 1 costs 9p, find the cost of 100.	_____ £
11 Find the difference between $(136 + 66)$ and (10×20) .	_____
12 How many TWOS have the same value as 20 FIVES?	_____ TWOS

C	ANSWER
1 What must be added to 25 cm and 39 cm to make 1 metre?	_____ cm
2 What is the number nearest to 60 which will divide by 9 without a remainder?	_____
3 	_____
Find in cm	
(a) the width of the rectangle	(a) _____ cm
(b) the length of the rectangle.	(b) _____ cm
4 A boy cycles at a speed of 9 km per hour. At this rate, how far will he travel in $3\frac{1}{2}$ hours?	_____ km
5 4 sweets cost 9p. Find the cost of 20 sweets.	_____ p

6  The distance round the rectangle is 20 cm. If the length is 6 cm, what is the width?	_____ cm
7 Find the value of n. $13 + 19 = n + 25$	_____
8  This clock is 12 minutes fast. What is the correct time? Use a.m. or p.m.	_____
9 Mr Brown is 34 years 5 months old and his wife is 33 years 8 months old. How many months older is Mr Brown than Mrs Brown?	_____ months

10  What fraction of 1kg is each mass?	
A _____ kg	B _____ kg
C _____ kg	
11 Write these fractions in order of size, the smallest first. $\frac{2}{3}, \frac{1}{6}, \frac{1}{3}$	_____
12 Write the missing signs +, -, x or ÷ in place of ● and ▲. $(5 \bullet 5) \blacktriangle 5 = 20$	_____

Section 1 Test 9

A	ANSWER
1 $£2.40 + 70p = £$	<u> </u> £
2 $1\frac{3}{4}m =$ cm	<u> </u> cm
3 $6p \times 100 = £$	<u> </u> £
4 $17\text{ mm} + 18\text{ mm} =$ cm	<u> </u> cm
5 $(6 \times 8) - (4 \times 7)$	<u> </u>
6 $£3.00 - £2.18 =$ p	<u> </u> p
7 $59 \div 6 =$ rem.	<u> </u> rem.
8 A FIFTY - 12p	<u> </u> p
9 $4500\text{ m} =$ km	<u> </u> km
10 $\frac{6}{8} =$ quarters	<u> </u> $\frac{1}{4}$
11 24 months = years	<u> </u> years
12 11.25 a.m. to 12.15 p.m. = min	<u> </u> min

B	ANSWER
1 Subtract 8 from 103.	<u> </u>
2 Write the name of the coin which has the same value as $£0.10$.	<u> </u>
3 Find six tenths of 80 cm.	<u> </u> cm
4 By how many cm is 2 m greater than the sum of 80 cm and 90 cm?	<u> </u> cm
5 Add twenty-five to one thousand and eighty.	<u> </u>
6 Find the cost of one if 10 cost $£5.40$.	<u> </u> p
7 How many sixths in $\frac{2}{3}$?	<u> </u> $\frac{1}{6}$
8 How many ml must be added to 270 ml to make $\frac{1}{2}$ litre?	<u> </u> ml
9 Find the total of $4\frac{3}{4}$ m and $2\frac{1}{2}$ m.	<u> </u> m
10 Write 5300 g to the nearest kg.	<u> </u> kg
11 Divide the sum of 19 and 16 by 5.	<u> </u>
12 How many FIFTIES can be exchanged for 75 TWOS?	<u> </u> FIFTIES

C	ANSWER
1 Subtract $(50p \times 10)$ from $(5p \times 100)$.	<u> </u> p

2

By how many mm is the line AB longer than the line CD?

 mm

3 Tom has 29 cards and James has twice as many. How many have they altogether?

4 How many bottles each holding 300 ml can be filled from a can holding $1\frac{1}{2}$ l?

5

Write, in cm, the distance all round this regular hexagon.

 cm

6 How much greater is $\frac{3}{4}$ of 12 than $\frac{2}{3}$ of 12?

7 A car travels 40 km in 30 minutes. If the car travels at the same speed, how far will it travel in 3 hours?

 km

8

Hassan	Olivia	Ali
--------	--------	-----

The diagram shows how the children shared $£5$. How much did each child have?

Hassan $£$ Olivia $£$ Ali $£$

9 Which 3 coins are given in change from $£1$ after spending 83p?

 p p p

10 If January 27th is a Wednesday, what date is the following Wednesday?

11

The scale shows the mass of a bag of nuts.

How much will it cost if the price is 30p for 100 g?

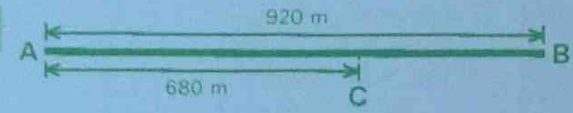
 £

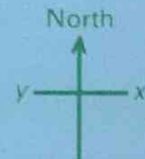
12 By how many is 15 times 100 less than 3 times 1000?

Section 1 Test 10

A	ANSWER
1 £1.00 = 14p	_____ p
2 15 mm × 10 = _____ cm	_____ cm
3 £1.50 + £2.60	_____ £
4 5450 m = _____ km _____ m	_____ km _____ m
5 27p × 4 = _____ £	_____ £
6 $\frac{1}{5}$ of £3.00 = _____ p	_____ p
7 56 FIVES = _____ TWENTIES	_____ TWENTIES
8 5 days = _____ hours	_____ hours
9 (56 + 7) - (9 + 9)	_____
10 $\frac{1}{2}$ l - 389 ml = _____ ml	_____ ml
11 1 m = _____ mm	_____ mm
12 (9 × 6) + (10 × 5)	_____

B	ANSWER
1 Increase 57 by 35.	_____
2 Half of a sum of money is 49p. What is the whole amount?	_____ p
3 How many 10-cm lengths are there in 5 m?	_____
4 Multiply the sum of 5 and 4 by 8.	_____
5 How many p in $\frac{3}{8}$ of 40p?	_____ p
6 $7 \times y = 98$ Find the value of y.	_____
7 Write the time $\frac{1}{2}$ h before 12.05 p.m. Use a.m. or p.m.	_____
8 420 minus 80 equals 300 plus _____	_____
9 What is the cost of 8 if one costs £0.19?	_____ £
10 Find the difference between $\frac{1}{8}$ and $\frac{3}{4}$.	_____
11 How much short of 3 m is 265 cm?	_____ cm
12 Add 3 TENS, 7 FIVES and 6 TWOS.	_____ p

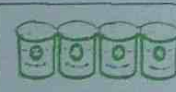
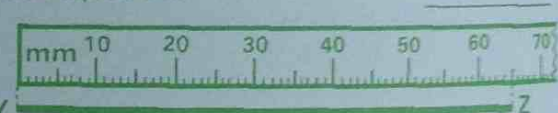
C	ANSWER
1 From the sum of 24 and 29 take 13.	_____
2 Arrange the figures 4, 0, 2, 5, to make the largest possible even number.	_____
3 The distance round a square is 72 cm. What is the length of one side?	_____ cm
4 Write the next two numbers in this series. 8, 4, 2, 1, _____, _____	_____
5  How far is it from C to B?	_____ m

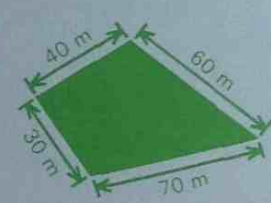
6  A boy stands at point x and faces point y. In which direction is he facing?	_____			
7 What is the smallest number into which both 4 and 6 will divide exactly?	_____			
8 A school was opened in 1958. How many years will the school have been open by the year 2020?	_____			
9 If 1 litre costs 70p, find the cost of (a) 100 ml (b) 400 ml (a) _____ p (b) _____ p				
10 <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>9 TWOS</td></tr> <tr><td>3 FIVES</td></tr> <tr><td>7 TENS</td></tr> </table> Katie had these coins. How much more is needed to make her money up to £1.20? _____ p	9 TWOS	3 FIVES	7 TENS	
9 TWOS				
3 FIVES				
7 TENS				
11 Write the missing sign +, -, × or ÷ in place of ● and ▲. (12 ● 3) ▲ 6 = 10	_____			
12 Which two coins are given in change from £2 after spending 83p and 66p?	_____ p _____ p			

Section 1 Test 11

A		ANSWER
1	$1\text{ m } 50\text{ cm} + 10 =$ _____ cm	_____ cm
2	$\frac{1}{2}\text{ kg} + 375\text{ g} =$ _____ g	_____ g
3	$7300 + 100$ _____	_____
4	$\frac{7}{8}$ of £16 _____	_____ £
5	$\text{£}3.00 - \text{£}1.13$ _____	_____ £
6	$450\text{ km} - 360\text{ km}$ _____	_____ km
7	$\text{£}2.47 + \text{£}1.63$ _____	_____ £
8	$1\frac{1}{2}\text{ m} =$ _____ mm	_____ mm
9	$(7 \times 8) - (5 \times 6)$ _____	_____
10	$25\text{ mm} \times 8 =$ _____ cm	_____ cm
11	$10.24\text{ a.m. to } 12.10\text{ p.m.}$ $=$ _____ h _____ min	_____ h _____ min
12	$(\frac{2}{3}\text{ of } 42) - (\frac{1}{3}\text{ of } 18)$ _____	_____

B		ANSWER
1	Write the name of the coin which has the same value as £0.02.	_____
2	Write the next two numbers in this series. 49, 42, 35, _____	_____
3	Find the total of £2.36 and £0.99.	_____ £
4	$\frac{3}{10}$ of a sum of money is £45. Find the whole amount.	_____ £
5	Write in cm the length remaining when 10 cm is reduced by 55 mm .	_____ cm
6	How many g are there in $\frac{1}{10}\text{ kg}$?	_____ g
7	What is the difference between 42 and 420?	_____
8	Six cost £2.16. What is the cost of one?	_____ p
9	Write 250 mm as m .	_____ m
10	Add 2 times 9 to 5 times 9.	_____
11	If 5 sweets cost 30p, what will 15 cost?	_____ p
12	In the number 9440 , how many times greater is the 4 marked x than the 4 marked y ?	_____


C		ANSWER
1	In a class library there are 138 fiction books and 144 non-fiction books. How many books are there altogether?	_____
2	What fraction of 1 hour is (a) 20 minutes (b) 40 minutes?	(a) _____ h (b) _____ h
3	8 kg 500 g is divided into 10 equal quantities. What does one of the quantities weigh?	_____ g
4	 PACK OF 4 for 90p How much will 20 cans cost? _____ £	_____ £
5	How many hours will it take a car travelling at 70 km/h to travel 280 km ?	_____ h
6	By how many m is the sum of 870 m and 650 m more than $1\frac{1}{2}\text{ km}$?	_____ m
7	Which number when multiplied by itself equals 64?	_____
8	 Write the length of a line 100 times longer than the line YZ (a) in cm _____ cm (b) in m _____ m	(a) _____ cm (b) _____ m

9	Lucy has three times as much as Daniel who has 45p. How much have they altogether? _____ £	_____ £
10	 This is a plan of a playground. How many times round it must the children run in order to run 1 km ?	_____
11	If $\frac{1}{2}\text{ kg}$ costs 40p, find the cost of (a) 100 g (b) 600 g . (a) _____ p (b) _____ p	(a) _____ p (b) _____ p
12	In the number 6365 , what must be added to the 6 marked y to make it equal in value to the 6 marked x ?	_____

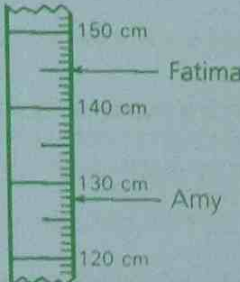
Section 1 Test 12

A	ANSWER
1	$5505 - 500$ _____
2	100×21 _____
3	$14 \text{ cm} + 15 \text{ cm} + 16 \text{ cm}$ _____ cm
4	$3 \times 3 \times 3$ _____
5	$28\text{p} + 25\text{p} + 45\text{p} = \text{£}$ _____ £
6	$\text{£}10.46 = \text{ TENS} + 6\text{p}$ _____ TENS
7	$\frac{3}{10}$ of $1 \text{ km} = \text{ m}$ _____ m
8	$8 \text{ a.m. to } 6 \text{ p.m.} = \text{ h}$ _____ h
9	$1\frac{1}{2} \text{ kg} - 600 \text{ g} = \text{ g}$ _____ g
10	$(5 \times 7) + (10 \times 8)$ _____
11	$\frac{1}{4} \text{ l} - 200 \text{ ml} = \text{ ml}$ _____ ml
12	$(36 \div 9) + (100 \div 10)$ _____

B	ANSWER
1	Find the sum of 73 and 48. _____
2	Write 1560 mm as m and mm. _____ m _____ mm
3	Find half of the sum of 12p and 18p. _____ p
4	What is the product of 4, 5 and 6? _____
5	How many eighths are there in 7 whole ones? _____ 8
6	Find the cost of 24 articles at 5p each. _____ £
7	What is the remainder when 61 is divided by 9? _____
8	How many years are there from 1984 to the year 2020? _____
9	What number is 101 less than 1000? _____
10	100 cost $\text{£}10.00$. Find the cost of one. _____ p
11	Add the numbers between 20 and 35 which can be divided exactly by 8. _____
12	Find the cost of $3\frac{1}{2}$ metres at 16p per m. _____ p

C	ANSWER
1	Divide the sum of 7, 11, 6 and 4 by 7. _____
2	How many 30-cm lengths can be cut from a 3-metre length? _____
3	Find the cost of 2 l 250 ml if 1 l costs $\text{£}2$. _____ £
4	What must be added to $7 + 9$ to equal 7×9 ? _____
5	300 pencils cost $\text{£}18$. Find the cost of (a) 100 pencils (b) 10 pencils. (a) £ _____ (b) p _____
6	 Through how many right angles does a boy turn when turning from East to West? _____
7	Daniel goes to bed at 7.45 p.m. and gets up at 7.45 a.m. How many hours is he in bed? _____ h

8	<table border="1"> <tr> <td>CHESS SET</td> <td>LIST PRICE $\text{£}3.60$</td> </tr> </table> William bought the chess set at a quarter less than the list price. How much did he pay? _____ £	CHESS SET	LIST PRICE $\text{£}3.60$
CHESS SET	LIST PRICE $\text{£}3.60$		

9	 The diagram shows two children's heights. How much taller is Fatima than Amy (a) in cm (a) _____ cm (b) in mm? (b) _____ mm
---	--

10	How many 200-ml bottles can be filled from a can holding 4 l? _____
11	What is half of $3\frac{1}{2}$? _____
12	There are 2055 people in a village. Write the number of people (a) to the nearest 10 (a) _____ (b) to the nearest 100 (b) _____ (c) to the nearest 1000. (c) _____

Next work Progress Test 1 on page 16.
Enter the result and the date on the chart.

PROGRESS TEST 1

Write the numbers 1 to 20 down the side of a sheet of paper.
Write alongside these numbers the **answers only** to the following questions.
Work as quickly as you can. Time allowed – 10 minutes.


1 $170 + 280$

2 $(\frac{1}{3} \text{ of } 45) - (\frac{1}{7} \text{ of } 63)$

3 $(8 \times 8) + (6 \times 6)$

4 $(450 + 10) - (3500 + 100)$

5 Write in figures
nine thousand and sixteen.


6  The diameter of this circle is 1 cm 6 mm. What is the radius of the circle in mm?

7 Add the numbers between 40 and 50 which can be divided by 7 without a remainder.

8

$\frac{3}{2}$	$\frac{2}{5}$	$\frac{5}{8}$	$\frac{3}{8}$	$\frac{5}{10}$	$\frac{25}{100}$
---------------	---------------	---------------	---------------	----------------	------------------

Which of the fractions has the same value as a half?

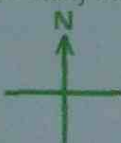
9 

How much more than $1\frac{1}{2}$ kg is the total mass of the three boxes?

10 Which 3 coins are given in change from £2 after spending 60p and 78p?

11 Find the cost of one pencil if 10 pencils cost £1.10.

12 How many minutes are there from 11.17 a.m. to 12.15 p.m.?

13  A boy stands facing West and turns left through 3 right angles. In which direction is he then facing?

14 Find the cost of 300 ml if $\frac{1}{2}$ l costs 35p.

15 If a car travels at a speed of 80 km/h, how far will it travel from 9.30 a.m. to noon?

16

RED	BLUE	OTHER COLOURS
-----	------	---------------

The diagram represents the 64 cars which passed a school in one hour. How many of the cars were blue?

17 What fraction in its lowest terms is 900 g of 1 kg?

18 Write to the nearest £ the sum of £3.80 and £2.69.

19 Find the cost of 100 buttons if one button costs 8p.

20

100 P	100 FIVES	50 TENS	50 TWENTIES
----------	--------------	------------	----------------

 Write as £s the total of the contents of the packets.

Section 2 Test 1

A ANSWER

- 1 $7 + 33 + 9$ _____
- 2 $814 + 2$ _____
- 3 $(19 + 5) - (7 + 8)$ _____
- 4 $1\frac{1}{2}$ m = _____ mm
- 5 1 minute = _____ seconds
- 6 $9 + 9 + 9 + 9$ _____
- 7 $\frac{1}{10}$ = _____ tenths
- 8 $34p \times 6 = \text{£}$ _____
- 9 From 10.14 a.m. to noon
= _____ h _____ min
- 10 1 FIFTY - $yp = 17p$.
Find the value of y in pence. _____ p
- 11 $8^2 = 50 +$ _____
- 12 $61 \div 8 =$ _____ rem.


B ANSWER

- 1 Write in figures nine thousand seven hundred and nine. _____
- 2 There is 69p change from £2.
How much has been spent? _____ £
- 3 Write 1700 g to the nearest kg. _____ kg
- 4 Divide £2.94 by 6. _____ p
- 5 Take 6 plus 5 from the total of 8 and 17. _____
- 6 How many seconds in
(a) $\frac{1}{2}$ min (b) $1\frac{1}{2}$ min? (a) _____ s (b) _____ s
- 7 Find the sum of the odd numbers between 56 and 60. _____
- 8 Which 2 coins must be added to a FIVE and 3 TWOS to make 23p? _____ p _____ p
- 9 Find the cost of $2\frac{1}{2}$ kg at 28p per kg _____ p
- 10 What must be added to 5 plus 80 to equal 5 multiplied by 80? _____
- 11 If 2 ℓ cost 48p, find the cost of $\frac{1}{2}$ ℓ . _____ p
- 12 Find $\frac{1}{5}$ of 84. _____

C ANSWER

- 1

--	--	--	--	--	--	--	--	--	--

 Write as a decimal fraction
 (a) the shaded part (a) _____
 (b) the unshaded part. (b) _____
- 2 A plane flew 2400 km at a speed of 800 km/h.
How long did the journey take? _____ h
- 3 How many 600-ml bottles can be filled from 6 ℓ ? _____
- 4 George had £1. He spent 28p on nuts and 42p on bus fares.
How much had he left? _____ p
- 5  The perimeter of this square is 60 mm.
Find the length of one side. _____ mm
- 6 Ahmed has 28p and his sister has 4 times as much.
How much have they altogether? _____ £
- 7

1 TWENTY	2 TENS	8 FIVES	10 TWOS
----------	--------	---------	---------

 Tom exchanged these coins for FIFTIES.
 How many FIFTIES did he get? _____ FIFTIES
- 8 The first day of Joshua's holiday was June 29th and he returned to school on August 3rd.
For how many days was he on holiday? _____
- 9

Sophie	Shahid	Sam
$\frac{1}{3}$	$\frac{1}{2}$	$\frac{1}{6}$

 The diagram shows how the children shared £4.20.
 How much did each receive? Sophie _____ £
 Shahid _____ £
 Sam _____ £
- 10 The sum of 3 numbers is 94.
Two of the numbers are 36 and 35.
What is the third number? _____
- 11 How many weeks will it take Chen to save £5.00 if he saves 25p each week? _____
- 12

36	54	64	72
----	----	----	----

 Which two of these numbers can be divided by both 4 and 9 without a remainder? _____

Section 2 Test 2


A ANSWER

- $25 + 5 + 16 + 4$ _____
- $2009 - 10$ _____
- $85p \times 4 = \text{£}$ _____ £
- $900 \text{ ml} + 870 \text{ ml} = \text{ } \ell \text{ } \text{ml}$ _____ ℓ ml
- $\frac{18}{3} =$ whole ones _____
- $30 - (7 \times 4)$ _____
- $2670 \text{ m} + \text{ } \text{m} = 3 \text{ km}$ _____ m
- $\text{£}2.58 \div 3$ _____ p
- $(15 - 6) + (33 - 4)$ _____
- $180 \div y = 9$. Find the value of y . _____
- Find (a) $\frac{1}{8}$ of 72 (b) $\frac{7}{8}$ of 72. (a) _____ (b) _____
- $2^2 + 3^2 =$ _____

B ANSWER

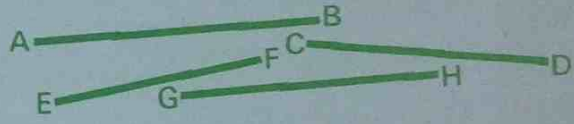
- Write as a decimal fraction
(a) $\frac{3}{10}$ (b) $\frac{5}{10}$. (a) _____ (b) _____
- How many h and min in 95 min? _____ h _____ min
- Which 3 coins together equal 57p? _____ p _____ p _____ p
- Subtract 50 from 8000. _____
- Write 435 cm to the nearest $\frac{1}{2}$ m. _____ m
- If 10 marbles cost 32p, what will be the cost of 40 marbles? _____ £
- What is the total of seven, twenty-nine and fourteen? _____
- 1 kg costs $\text{£}1.28$.
What is the cost of 250 g? _____ p
- 9 FIVES plus 6 TWOS _____ p
- How many g must be added to 970 g to make $1\frac{1}{2}$ kg? _____ g
- Multiply the sum of 16 and 9 by 8. _____
- Subtract 8 from the product of 9 and 7. _____

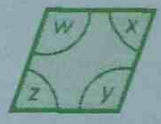
C ANSWER

- A car travels at 100 km/h.
How far will it travel in 15 min? _____ km
- 

Write, in 24-hour clock time, the correct time for each digital clock if

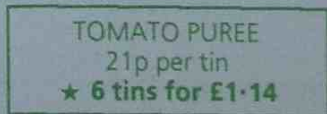
(a) Clock X is 18 min fast (a) _____

(b) Clock Y is 25 min slow. (b) _____
- Find the cost of $6\frac{1}{2}$ metres of ribbon at 18p per metre. _____ £
- A tin of fruit has a mass of 450g.
Find to the nearest kg, the mass of 6 tins. _____ kg
- 

Which line is parallel to the line AB? _____
- Jessica bought the following:
carrots 45p, potatoes 65p.
How much change did she get from $\text{£}2$? _____ p
- 

Which of the angles w, x, y, z are

(a) obtuse (a) _____

(b) acute? (b) _____
- What must be added to one-sixth of 48 to equal $\frac{1}{7}$ of 63? _____
- Find the difference between $(8 + 8 + 8 + 8)$ and 8 times 6. _____
- What is a half-share of the sum of 6 FIVES and 8 TWOS? _____ p
- 

How much is saved per tin by buying 6 tins at a time? _____ p
- 50 milk straws are used on each of 5 days in a week.
How many weeks will 2000 straws last? _____

Section 2 Test 3

A

ANSWER

1 T U tenths



Write the number shown on the abacus picture as a decimal.

2 $(5 \times 6) + 4$

3 80 tenths = units

4 $\frac{2}{3} =$ sixths

5 $46 + 64$

6 125×4

7 $\frac{1}{4}$ min = s

8 $(9 + 9) - (4 + 8)$

9 $(32 + 4) + (0 + 8)$

10 $£8.54 + 7$

11 $1\frac{1}{2}$ km - 560 m = m

12 $£5.00 - £ = £3.46$

B

ANSWER

1 Write as a decimal fraction of a cm (a) 5 mm (b) 8 mm. (a) cm (b) cm

2 How many h and min from noon to quarter to four in the afternoon? h min

3 Write 6 m 875 mm to the nearest m. m

4 Find the cost of $4\frac{1}{4}$ kg at 16p per kg. p

5 Multiply 6 by 6 and divide the answer by 9.

6 $\frac{3}{4}$ of a sum of money is 21p. Find the sum of money. p

7 Find the total of $(16 + 9)$ and (5×5) .

8 Find one half of four thousand five hundred. Write the answer in figures.

9 Subtract the sum of 23p and 28p from £1. p

10 Add the even numbers between 35 and 39.

11 How many FIVES are equal in value to £7?

12 Make each of the following 10 times smaller (a) 8 (b) 131. (a) (b)

C

ANSWER



Write the length of the line YZ

(a) in cm and mm (a) cm mm
(b) in cm. (b) cm

2 Find the difference between $\frac{1}{4}$ of £0.76 and $\frac{2}{5}$ of £0.76. p

3 How many days altogether in April, May and June?

4

S A L E
ALL GOODS REDUCED BY 15p IN THE £

 How much will be paid for an article which cost £3 before the sale? £

5 Find the sum of money which is 30p less than the sum of 7 TENS and 7 TWOS. p

6

$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{5}$	$\frac{3}{8}$	$\frac{3}{4}$
---------------	---------------	---------------	---------------	---------------

Which two of the fractions when added together equal one whole one? _____

7 The perimeter of a square is 10 cm. Find the length of one side (a) in cm and mm (a) cm mm
(b) in cm. (b) cm

8 A shopkeeper wrote 130 kg on an order form instead of 13 kg. By how many kg was the order too much? kg

9 Write in figures the times shown on the clock faces. Use a.m. or p.m. (a) _____
(b) _____

10 In a class of 28 children, there were 4 more girls than boys. How many boys were there in the class? _____


11 Cups cost 44p each and saucers half as much. Find the total cost of 6 cups and 6 saucers. £


12 Emily and Lucy are twins. For their birthday they were given 3 FIFTIES and 9 TWENTIES which they shared equally. How much did each have? £

Section 2 Test 4

A	ANSWER
1	$7.6 \text{ cm} + 4 \text{ mm} =$ _____ cm
2	Write as a decimal $100 + 10 + 1 + \frac{1}{10}$ _____
3	$50\text{p} -$ _____ $\text{p} = 27\text{p}$
4	$(17 - 8) + (11 - 7)$ _____
5	$\frac{1}{10}$ of $1 \text{ l} =$ _____ ml
6	$10\,000 + 900 + 8$ _____
7	$3\frac{3}{4} =$ _____ quarters
8	$(8 \times 3) - (0 \times 5)$ _____
9	$17\text{p} \times 7 =$ _____ £
10	Find (a) $\frac{1}{3}$ of $\text{£}45$ _____ (b) $\frac{2}{3}$ of $\text{£}45$. _____
11	$44 \div 9 =$ _____ rem. _____
12	15 FIVES + 3 TENS _____ £

B	ANSWER
1	Write as a decimal (a) 36 tenths (b) 104 tenths. (a) _____ (b) _____
2	By how many is 44 greater than 19? _____
3	Write as a vulgar fraction in its lowest terms (a) 100 m of 1 km (a) _____ km (b) 700 m of 1 km (b) _____ km
4	Find the cost of 20 packs of sweets if 5 packs cost 77p. _____ £
5	From half-past eight to twenty to ten in the morning = _____ h _____ min
6	From the product of 10 and 10 subtract 13. _____
7	Find five-sixths of $\text{£}54$. _____ £
8	How many ml must be added to $4\frac{1}{4} \text{ l}$ to make 5 l ? _____ ml
9	Make each of the following 10 times larger. (a) 0.7 (b) 2.3 (a) _____ (b) _____
10	Multiply 61p by 9. _____ £
11	Which 3 coins make up 54p? _____ p _____ p _____ p
12	Write the missing signs +, -, \times or \div in place of \bullet and \blacktriangle . $14 \bullet 7 = 35 \blacktriangle 5$ _____ \bullet _____ \blacktriangle

C	ANSWER
1	Find the whole amount of money when (a) $\frac{2}{3}$ is 30p (b) $\frac{5}{8}$ is 40p. (a) _____ p (b) _____ p
2	Sophie walked at a steady speed from 10 a.m. to 12.30 p.m. She covered a distance of 10 km. What was her walking speed in km/h? _____ km/h
3	 The circumference of the wheel is 1.5 m. How many m will the wheel travel in (a) 10 turns (a) _____ m (b) 100 turns? (b) _____ m


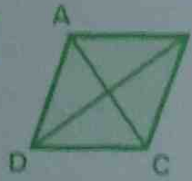
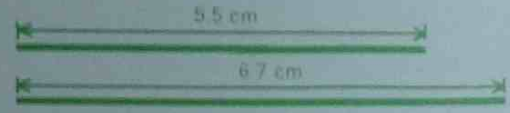
4	It takes Mrs Brown 75 minutes to get to work. At what time must she leave home to arrive at work at 8.30 a.m.? _____						
5	<table border="1" data-bbox="917 873 1316 929"> <tr> <td>F</td> <td>M</td> <td>N</td> <td>W</td> <td>X</td> <td>Z</td> </tr> </table> In which of these letters are there two pairs of parallel lines? _____	F	M	N	W	X	Z
F	M	N	W	X	Z		
6	(a) How many 500-ml bottles can be filled from 5 l? (a) _____ (b) How many 50-ml bottles can be filled from 5 l? (b) _____						
7	When a number is divided by 8 the answer is 6 remainder 6. What is the number? _____						
8	Find the missing numbers in this series. 1.6, 1.4, 1.2, _____, _____						
9	 Name (a) the acute-angled triangle (a) _____ (b) the right-angled triangle (b) _____ (c) the obtuse-angled triangle (c) _____						
10	Josh had $\text{£}1.80$ and Leah had half as much as Josh. How much had they altogether? _____ £						
11	Find the cost of 90 g of wool at 40p for 20 g. _____ £						
12	<table border="1" data-bbox="922 1814 1497 1881"> <tr> <td>$\frac{2}{3}$ of $\text{£}12$</td> <td>$\frac{3}{4}$ of $\text{£}12$</td> <td>$\frac{5}{6}$ of $\text{£}12$</td> </tr> </table> What is the value of (a) the largest of these amounts (a) _____ £ (b) the smallest of these amounts? (b) _____ £	$\frac{2}{3}$ of $\text{£}12$	$\frac{3}{4}$ of $\text{£}12$	$\frac{5}{6}$ of $\text{£}12$			
$\frac{2}{3}$ of $\text{£}12$	$\frac{3}{4}$ of $\text{£}12$	$\frac{5}{6}$ of $\text{£}12$					

Turn back to page 16 and work for the second time Progress Test 1.
Enter the result and the date on the chart.

Section 2 Test 5

A		ANSWER
1	2.9 = _____ tenths	_____ tenths
2	49 + 63	_____
3	6090 + 3	_____
4	$\frac{1}{2} = \frac{x}{16}$. Find x.	_____
5	$(8 \times 5) + (3 \times 7)$	_____
6	10 m - 5.5 m = _____ m	_____ m
7	84 - 57	_____
8	$3\frac{3}{4}$ km + 300 m = _____ km _____ m	_____ km _____ m
9	From 10.20 a.m. to 12.25 p.m. = _____ h _____ min	_____ h _____ min
10	3 TWENTIES + 3 FIFTIES	_____ E
11	$(30 \div 5) + (18 \div 6)$	_____
12	10 articles cost £1.50. Find the cost of one article.	_____ p

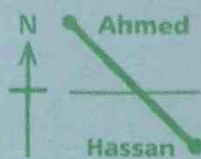
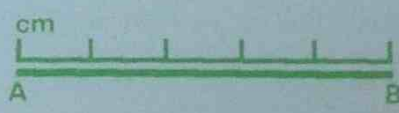

B		ANSWER
1	Write 9 km 700 m to the nearest km.	_____ km
2	By how many cm is 2.4 cm less than 6 cm?	_____ cm
3	What fraction of 42 is 7?	_____
4	What must be added to £3.66 to make £4.50?	_____ p
5	By how many is 25 minus 6 less than 25 plus 6?	_____
6	$\frac{x}{y}$ 37.7 How many times greater is the 7 marked x than the 7 marked y?	_____
7	Increase £2.46 by £1.26.	_____ E
8	Find the cost of 20 cm at £2.00 per m.	_____ p
9	Subtract $\frac{1}{2}$ of £24 from $\frac{3}{4}$ of £28.	_____ E
10	Write as a vulgar fraction in its lowest terms 900 ml of 1l.	_____ l
11	Which 3 coins are given in change from £3 after spending £2.84?	_____ p _____ p _____ p
12	Change $\frac{8}{10}$ to hundredths.	_____ 100

C		ANSWER				
1	 <p>Find the difference in g between the masses shown by pointers X and Y.</p>	_____ g				
2	A plane flies at a speed of 900 km/h. How far does it travel in (a) 20 min (b) 10 min?	(a) _____ km (b) _____ km				
3	 <p>Name two lines in the rhombus which are perpendicular to each other.</p>	_____				
4	After using oil from a can holding 3 l 300 ml only $2\frac{1}{4}$ l remained. How many ml had been used?	_____ ml				
5	Find the total cost of 4 magazines at £2.25 each and 3 comics at £1.50 each.	_____ E				
6	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td style="text-align: center;">£</td></tr> <tr><td style="text-align: center;">0.70</td></tr> <tr><td style="text-align: center;">0.25</td></tr> <tr><td style="text-align: center;">0.18</td></tr> </table> <p>Find the change from £2 after paying these amounts.</p>	£	0.70	0.25	0.18	_____ p
£						
0.70						
0.25						
0.18						
7	 <p>Find the total length of the two lines in mm.</p>	_____ mm				
8	Mr Robb arrived home at 9.50 p.m. after travelling for $2\frac{1}{4}$ hours. At what time did he start his journey?	_____				
9	10 tins of beans have a mass of 3 kg. Find the mass in g of 1 tin.	_____ g				
10	The bus fare to town is £1.80, and children travel half price. Find the total bus fare for 2 adults and 2 children.	_____ E				
11	A square has a perimeter of 1 m 60 cm. Find the length of one side in cm.	_____ cm				
12	Lucy spent two-thirds of her savings when she bought a radio for £50. How much had she saved at first?	_____ E				

Section 2 Test 6


A	ANSWER
1 19.4 cm = mm	_____ mm
2 $(18 + 7) - (6 + 6)$	_____
3 $(4 \times 1000) + (8 \times 100) + (9 \times 1)$	_____
4 £4.00 - £3.24	_____ p
5 Write 4 l 500 ml to the nearest l.	_____ l
6 $£1.32 \div 6 =$ p	_____ p
7 Write $\frac{4}{5}$ as a decimal.	_____
8 $\frac{1}{3} = \frac{a}{12} = \frac{b}{18}$	(a) <u> </u> (b) <u> </u>
9 120 g + g = $\frac{1}{2}$ kg	_____ g
10 9.3 cm + 6.8 cm	_____ cm
11 $28 + 25 +$ = 74	_____
12 5 articles cost £1.10. 1 article costs p.	_____ p

B	ANSWER
1 Multiply 4.3 by 10.	_____
2 18 cm divided by 10 = cm.	_____ cm
3 Write in 24-hour clock time (a) 8.00 a.m. (b) 8.00 p.m. (a) _____ (b) _____	
4 10 + 2999	_____
5 From £4 take the total of £1.40 and £1.65.	_____ p
6 3 batteries cost £2.25. Find the cost of one battery.	_____ p
7 How many 50-cm lengths can be cut from 18 m?	_____
8 What is the cost of 3 kg 100 g if 1 kg costs £1?	_____ £
9 What is the difference in ml between 2 l 700 ml and 2580 ml?	_____ ml
10 $\frac{9}{10}$ of a sum of money is £2.70. Find the sum of money.	_____ £
11 By how many is 8^2 greater than 7^2 ?	_____
12 Share £6 equally among 8 children. How much does each child receive?	_____ p

C	ANSWER
1 <div style="border: 1px solid black; padding: 2px; display: inline-block;">DERBY 21 km</div> If a man walks at a steady speed of 6 km/h, how long will it take him to walk to Derby? _____ h	
2 $y \times 10 = 320$ What is the value of y? _____	
3 Amy's father gave her 28p to make her money up to £3.15. How much had Amy at first? _____ £	
4  In which direction must (a) Ahmed walk to reach Hassan (a) _____ (b) Hassan walk to reach Ahmed? (b) _____	
5 1 m of ribbon costs £3.20. Find the cost of $1\frac{1}{2}$ m. _____ £	
6 A 2p coin is 1.8 mm thick. Find the height in mm of a pile of (a) 10 TWOS (a) _____ mm (b) 100 TWOS. (b) _____ mm	
7 <div style="border: 1px solid black; padding: 2px; display: inline-block;">15 18 20 24 30</div> Which of these numbers can be divided by 2, 3 and 5 without a remainder? _____	
8 Megan received 3 TENS, a FIVE and a TWO in change from £1. How much had she spent? _____ p	
9  The line AB is drawn to scale and represents a distance of 2.5 metres. What length is represented by 1 cm? _____ m	
10 Find the difference between $\frac{4}{5}$ of £30 and $\frac{3}{8}$ of £30. _____ £	
11  The mass of three parcels is shown on the dial. If they are of equal mass, write the mass in g of one parcel. _____ g	
12 A computer game can be bought for £27 cash or by 20 weekly payments each of £1.50. By how much is the total of the weekly payments greater than the cash price? _____ £	

Section 2 Test 7

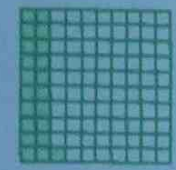
A ANSWER

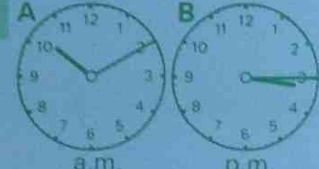
- 1  Write as a decimal the number shown on the abacus picture. _____
- 2 $50 - (6 \times 7)$ _____
- 3 $(19 + 8) - (6 + 7)$ _____
- 4 $£1.09 + 68p = £$ _____
- 5 Find $\frac{3}{4}$ of 28 kg. _____ kg
- 6 1 article costs 19p.
5 articles cost p. _____ p
- 7 $33p + p = 2$ TWENTIES _____ p
- 8 $1\frac{1}{2}$ kg - 700 g = g _____ g
- 9 $£1.49 + £1.49 + £1.49$ _____ £
- 10 $68 \div 7 =$ rem. _____ rem.
- 11 $0.6 + 1.8 + 0.5$ _____
- 12 0.1 m = cm _____ cm


B ANSWER

- 1 Write $\frac{6}{10} + \frac{8}{100}$ as a decimal fraction. _____
- 2 Multiply 6 by 47. _____
- 3 How many cm are there in 1.8 m? _____ cm
- 4 Change these 24-hour clock times to 12-hour clock times. Use a.m. or p.m.
(a) 06.00 (a) _____
(b) 19.00 (b) _____
- 5 Write 6 kg 650 g to the nearest $\frac{1}{2}$ kg. _____ kg
- 6 Subtract 0.03 from a whole one.
Write the answer as a decimal fraction. _____
- 7 By how many mm is 10.0 cm greater than 7.9 cm? _____ mm
- 8 Find the cost of 12 sweets if 2 sweets cost 5p. _____ p
- 9 Find the difference between 30 multiplied by 10 and 30 divided by 10. _____
- 10 By how many g is 5 times 250 g less than 2 kg? _____ g
- 11 $\frac{x}{y}$
340.4 How many times larger is the 4 marked x than the 4 marked y? _____
- 12 How much greater is $\frac{7}{8}$ than $\frac{3}{4}$? _____

C ANSWER

- 1  Write as a decimal fraction the part of the whole square which is
(a) shaded (a) _____
(b) unshaded. (b) _____
- 2 How much less than £6 is the sum of £1.85 and £3.45? _____ p
- 3 If $4\frac{1}{2}$ m of string is divided into 25-cm lengths, how many lengths will there be? _____
- 4 How many hundredths are equal in value to
(a) 0.4 (a) _____ hundredths
(b) 0.9? (b) _____ hundredths
- 5 A motor cyclist travelled for $1\frac{1}{4}$ hours at a speed of 60 km/h.
What distance did he travel? _____ km




6  Clock A shows the time Daniel left home and clock B shows the time he returned.

- How many h and min was he away? _____ h _____ min
- 7 How many packets each with a mass of 100 g will together have a mass of $3\frac{1}{2}$ kg? _____
- 8 By how many twelfths is $\frac{3}{4}$ greater than $\frac{2}{3}$? _____ $\frac{\quad}{12}$
- 9 Find the change from a £10 note after buying 6 toys costing £1.25 each. _____ £
- 10 Yasmin's father pays $\frac{4}{5}$ of the cost of a bicycle. Yasmin pays the remainder. The cost of the bicycle is £70.
How much does each pay? Yasmin £ _____
Father £ _____
- 11 200 g of meat costs 80p.
Find the cost of $1\frac{1}{2}$ kg. _____ £
- 12  The circumference of this circle is approximately 11 cm and the diameter is 3.5 cm.
How much longer is the perimeter of the square than the circumference of the circle? _____ cm

Section 2 Test 8

A	ANSWER
1	$10.0 + 0.2 + 0.05$
2	$£1.60 \div 4$
3	$0.47 =$ hundredths
4	$(0 \times 9) + 8$
5	$(42 - 5) + (21 - 4)$
6	$250 + 350 + 400$
7	$\frac{1}{20} =$ hundredths
8	Find $\frac{2}{3}$ of 27.
9	$2\frac{1}{2}$ min = s
10	$£6.09 +$ = £8.00
11	$(81 + 9) - (24 + 3)$
12	$10\ 000 - 100$

B	ANSWER
1	Write the total of $20\frac{2}{10}$ and $\frac{6}{100}$ as a decimal.
2	Write in 24-hour clock times (a) 3.57 a.m. (b) 2.20 p.m.
3	Write as a decimal the number which is 100 times smaller than 6.
4	Multiply the sum of 7 and 5 by 10.
5	From £2 take the total of 58p, 42p and 36p.
6	Decrease 10 cm by 28 mm. Give the answer in cm.
7	Write 3 l 800 ml to the nearest $\frac{1}{2}$ l.
8	How many cm in (a) 3.6 m (b) 2.25 m?
9	Find the cost of 750 ml if $\frac{1}{2}$ l costs £0.74.
10	Divide the product of 14 and 9 by 6.
11	Arrange these figures to make the largest possible odd number.
12	How many hundredths are there in (a) $\frac{1}{2}$ (b) $\frac{1}{3}$ (c) $\frac{3}{4}$?

C	ANSWER
1	What decimal fraction of £1 is (a) 10p (b) 1 p?
2	 The sum of the three angles of a triangle is 180° . Find the size in degrees of the angle marked x.
3	Mother bought a doll for £1.50 and a racing car for £1.99. How much change did she receive from a £5 note?
4	 (a) Find in m the perimeter of the field. (b) How many times round the field is equal to 3 km?
5	Mr Jones arrived at the station at 3.45 p.m. His train left at 16.20. How long had he to wait?
6	 The dial shows the mass of a parcel in kg and g. How many g less than $3\frac{1}{2}$ kg is the mass of the parcel?
7	After spending one quarter of his money Ali had 54p left. How much had he at first?
8	Find the total cost of 2 packets of crisps costing 35p each and 6 biscuits costing 10p each.
9	There are 163 boys in a school and there are 37 more girls than boys. How many children are there in the school altogether?
10	Put a decimal point in each of the numbers so that the value of the 8 is 8 units. (a) 4386 (b) 2891
11	Katie has 17p and Emily has 25p. How much must Emily give Katie so that they each have the same amount?
12	$\frac{3}{8}$ of a class of 24 children are girls. (a) What fraction of the class are boys? (b) How many boys are there?

Turn back to page 16 and work for the third time Progress Test 1.
Enter the result and the date on the chart.

Section 2 Test 9

A

ANSWER

- Write as a decimal fraction
(a) 17 hundredths (a) _____
(b) 6 hundredths. (b) _____
- $(58 + 5) - (4 + 9)$ _____
- $1\frac{1}{2}$ min = _____ s _____
- $80 + 6 + 8000 + \dots = 8286$ _____
- $7 \overline{)53}$ _____ rem. _____
- 0.4×100 _____
- Find $\frac{9}{10}$ of 80. _____
- $3050 \text{ g} = \dots \text{ kg } \dots \text{ g}$ _____ kg _____ g
- $\text{£}1.00 - 28 \text{ TWOS} = \dots \text{ p}$ _____ p
- $7^2 - 6^2$ _____
- $(7 \times 6) + (6 \times 3)$ _____
- $28\text{p} \times 7$ _____ £ _____

B

ANSWER

- Write $4 \text{ l } 150 \text{ ml}$ to the nearest $\frac{1}{2}$ litre. _____ l
- The product of two numbers is 56. One of the numbers is 7. What is the other number? _____
- Increase 23 by 18 and multiply the answer by 10. _____
- Find the difference between 14 plus 9 and 14 minus 9. _____
- How much less than $\text{£}1$ is the sum of 18p and 39p? _____ p
- Divide the total of 19 and 17 by 4. _____
- Write as a decimal fraction of a metre
(a) 20 cm (a) _____ m
(b) 35 cm. (b) _____ m
- | | | | |
|------|------|------|------|
| 1.20 | 0.12 | 1.02 | 0.21 |
|------|------|------|------|

Add the largest of these decimals to the smallest. _____
- Write as a decimal the number which is 10 times smaller than 8.8. _____
- Write each of these fractions in its lowest terms. (a) $\frac{3}{12}$ (b) $\frac{6}{8}$ (a) _____ (b) _____
- Find the cost of $3\frac{1}{4}$ kg if 1 kg costs 16p. _____ p
- Write as decimals the next two numbers in this series. 1000, 100, 10, 1. _____


C

ANSWER

- What decimal fraction of $\text{£}1$ is
(a) 1 TWO (a) _____ £
(b) 1 TWENTY (b) _____ £
(c) 1 FIFTY? (c) _____ £

- Chloe is 1.35 m tall and James is 8 cm smaller. What is James's height in cm? _____ cm

- How many bottles each holding $\frac{1}{4}$ l can be filled from a cask holding $6\frac{1}{2}$ l? _____

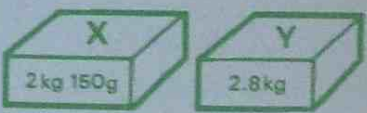
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All the angles at the centre of the circle are equal. How many degrees are there in the marked angle? _____ °

- How many cm less than $\frac{3}{4}$ m is 0.62 m? _____ cm

- A supermarket sold one hundred 12p plums and twenty 9p plums. What was the total value of the plums? _____ £

- Mother uses 50 g of cocoa each day. How many days will it take her to use $\frac{3}{4}$ kg? _____

- 

How many g heavier is box Y than box X? _____ g

- | Date of birth | |
|---------------|---------|
| Sanjay | 28/2/99 |
| Ben | 30/9/97 |
| Leah | 30/8/98 |

By how many months is
(a) Ben older than Leah (a) _____
(b) Sanjay younger than Leah (b) _____

- Two angles of a triangle each measure 45° . Find the size in degrees of the third angle. _____ °


- Amy's T-shirt cost $\text{£}12.70$ and George's cost $\text{£}11.85$. Find
(a) the difference in price (a) _____ p
(b) the total cost of the T-shirts. (b) _____ £



- 1 cm on a plan represents 1 m. What does 1 mm on the plan represent?
(a) in cm (a) _____ cm
(b) in mm? (b) _____ mm

Section 2 Test 10

A		ANSWER
1	$500\text{ g} \times 10 =$ _____ kg	_____ kg
2	$(36 - 7) - (32 - 8)$	_____
3	$1000\text{p} =$ _____ £	_____ £
4	$\text{£} \quad + 62\text{p} = \text{£}3.00$	_____ £
5	6 rem. 2 $9\sqrt{x}$ Find x	_____
6	Write 243 hundredths as a decimal	_____
7	$(10 \times 5) - (4 \times 7)$	_____
8	$\frac{1}{10}$ of 1 min = _____ s	_____ s
9	$\frac{2}{3}$ of 64 km	_____ km
10	10 articles cost 19p. 100 articles cost £ _____	_____ £
11	$612 \div y = 6$. Find y.	_____
12	$9999 + 12$	_____

B		ANSWER
1	Write 41p as (a) a vulgar fraction of £1 (b) a decimal fraction of £1.	(a) _____ £ (b) _____ £
2	Make each of these numbers 10 times smaller. (a) 29 (b) 1.7	(a) _____ (b) _____
3	Write in 24-hour clock time quarter to five in the afternoon.	_____
4	How much more than a FIFTY is the sum of 8p, 18p and 28p?	_____ p
5	Subtract 9 from the total of 53 and 47.	_____
6	$\frac{2}{3}$ of a number is 9. What is the number?	_____
7	Write these fractions in their lowest terms. (a) $\frac{25}{100}$ (b) $\frac{15}{20}$	(a) _____ (b) _____
8	What is the change from £5 after spending £1.36 and £2.40?	_____ £
9	If 10 models cost £5.20, what will be the cost of (a) 1 (b) 7?	(a) _____ p (b) _____ £
10	$\frac{1}{5} = \frac{x}{100}$ $\frac{3}{5} = \frac{y}{100}$ Find the value of x and y.	x _____ y _____
11	1 £ costs 60p. Find the cost of $5\frac{1}{2}$ £.	_____ £
12	If wool costs 80p for 50 g, what is the cost of $\frac{1}{2}$ kg?	_____ £



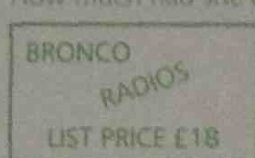
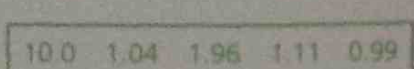
C		ANSWER
1	Find the total of 3.8 m and 0.5 m (a) in cm (b) in mm.	(a) _____ cm (b) _____ mm
2	 <p>The four angles of any quadrilateral together equal 360°. Find in degrees the size of the angles marked x.</p>	_____
3	Nadeen saved a FIFTY each week for a whole year. How much did she save altogether?	_____ £
4	<div style="border: 1px solid black; padding: 5px; display: inline-block; text-align: center;"> M1 LONDON 75 km </div> <p>If a tanker travels at a steady speed of 50 km/h how long will it take to reach London?</p>	_____ h

5	<div style="border: 1px solid black; padding: 5px; display: inline-block; text-align: center;"> 5.5 0.2 0.55 0.02 </div> <p>Which of these decimals is equal to (a) $\frac{55}{100}$ (b) $\frac{2}{100}$?</p>	(a) _____ (b) _____
6	Name the three coins given in change from £4 after spending £3.77.	_____ p _____ p _____ p
7	What remains from a 10-metre length of cloth after using 3.3 m and 2.8 m?	_____ m
8	 <p>Each side of this shape is 0.7 cm long. Find the perimeter of the shape in cm.</p>	_____ cm
9	After spending 49p and £1.36 Amy has 15p left. How much had she at first?	_____ £
10	 <p>What time will be shown on the clock after 47 min? Use a.m. or p.m.</p>	_____
11	Find the difference between $\frac{1}{10}$ of 7000 and $\frac{1}{100}$ of 7000.	_____
12	A school outing will cost Ryan £10.80. He has made 8 weekly payments of £1.20. How much has he yet to pay?	_____ £

Section 2 Test 11

A	ANSWER
1	$£2.26 + £1.87$ _____ £
2	$5.4 \text{ m} = \text{ m} + 140 \text{ cm}$ _____ m
3	$(35 + 7) \times (30 + 6)$ _____
4	$3 \text{ l } 300 \text{ ml} - \frac{1}{2} \text{ l} = \text{ l } \text{ ml}$ _____ l _____ ml
5	$135 \text{ min} = \text{ h } \text{ min}$ _____ h _____ min
6	$45\text{p} + 29\text{p} + \text{ p} = £1$ _____ p
7	$(8 + 56) - (15 + 9)$ _____
8	$0.75 \text{ m} \times 100$ _____ m
9	$(40 + 8) \times 7$ _____
10	$2 \text{ kg } 750 \text{ g} + 900 \text{ g} = \text{ kg } \text{ g}$ _____ kg _____ g
11	(a) $\frac{1}{4} \text{ km} = \text{ m}$ (a) _____ m (b) $\frac{3}{4} \text{ km} = \text{ m}$ (b) _____ m
12	Find $\frac{2}{5}$ of 30 £. _____ £

B	ANSWER
1	Find the product of 7 and 18. _____
2	Find the number which is 100 times smaller than (a) 240 (a) _____ (b) 37. (b) _____
3	Write as cm (a) 3.25 m (a) _____ cm (b) 4.06 m. (b) _____ cm
4	How many grams more than $\frac{1}{2}$ kg is the sum of 280 g and 270 g? _____ g
5	What must be added to 39 to make 57? _____
6	Decrease 43 by 16 and multiply the answer by 10. _____
7	From the sum of £1.17 and £1.33 subtract 60p. _____ £
8	Find the remainder when 113 is divided by 6. _____
9	Write as a decimal fraction of a kg (a) 500 g (a) _____ kg (b) 100 g. (b) _____ kg
10	1 pencil costs 9p. Find the cost of 200 pencils. _____ £
11	What is the perimeter of a rectangle 7 metres long and $6\frac{1}{2}$ metres wide? _____ m
12	How many newspapers each costing 40p can be bought for £8.00? _____

C	ANSWER
1	Find in degrees the measurement of each of the angles a and b.  a _____ b _____
2	How many TWOS have the same value as (a) 12 FIVES (a) _____ (b) 3 FIFTIES? (b) _____
3	Write all the numbers between 48 and 68 which can be divided by 7 without a remainder. _____
4	10 boxes have a mass of $1\frac{1}{2}$ kg. Find the mass in g of (a) 1 box (a) _____ g (b) 5 boxes. (b) _____ g
5	Brotley _____ Carley  A cyclist started from Brotley at 11.30 a.m. and arrived at Carley at 2.30 p.m. If he travelled at the same rate, what was his speed in km/h? _____ km/h
6	Katie's mother gave her £1.45 to add to her savings and her father gave her £2.70. She then had £5. How much had she at first? _____ p
7	 Radios are reduced by 10p in the £ off the list price. What is the new price? _____ £
8	There are 186 pages in a book. Tom read 64 pages and then 56 pages. How many more pages has he to read? _____
9	 Multiply the largest of these numbers by the smallest. _____
10	In a class of 32 children $\frac{1}{4}$ of them are 10 years old, $\frac{1}{2}$ are 9 and the rest are 8 years old. (a) What fraction of the children are 8? (a) _____ (b) How many children are 8? (b) _____
11	The circumference of a wheel is 1.85 m. Find in m the distance the wheel will travel in (a) 10 turns (a) _____ m (b) 100 turns. (b) _____ m
12	3 kg of meat cost £18.00. Find the cost of (a) 500 g (a) _____ £ (b) 750 g (b) _____ £

Turn back to page 16 and work for the fourth time Progress Test 1.
Enter the result and the date on the chart.

Section 2 Test 12

A ANSWER

- 1 290 cm = _____ m
- 2 $(82 - 4) + (18 - 9)$ _____
- 3 $(17 \times 3) + 6$ _____
- 4 $\frac{18}{2} =$ _____ whole ones
- 5 1 article costs £0.07.
100 articles cost £ _____
- 6 $346 + 78$ _____
- 7 $\frac{1}{10}$ of 9 km = _____ m
- 8 $5 \overline{)£10.10}$ _____
- 9 £2.00 - 25 FIVES _____ p
- 10 $10^2 - 9^2$ _____
- 11 Write £8.84 (a) to the nearest 10p (a) £ _____
(b) to the nearest £ (b) £ _____
- 12 £10.00 + 8 _____

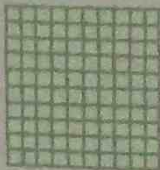
B ANSWER

- 1 Write as l and ml
(a) 3457 ml (a) _____ l _____ ml
(b) 4070 ml (b) _____ l _____ ml
- 2 Find the difference between $(15 + 15 + 15)$ and (4×15) . _____
- 3 52 plus 70 minus 32 _____
- 4 Divide the total of 29 and 27 by 8. _____
- 5 Subtract 6 times 14p from £1. _____ p
- 6 How much greater is 7 multiplied by 9 than 7 plus 9? _____
- 7 Find in cm the perimeter of a triangle having equal sides each measuring 48 mm. _____ cm
- 8 How many h and min from 11.40 to 18.10? _____ h _____ min
- 9 Write as a decimal fraction (a) $\frac{1}{4}$ (a) _____
(b) $\frac{3}{4}$ (b) _____
- 10

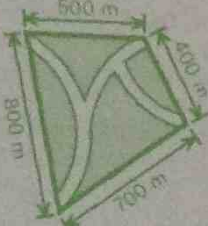
0.3	0.15	0.09	1.1	0.99
-----	------	------	-----	------

Add the smallest of these decimals to the largest. _____
- 11 If 10 cost £2.70, what is the cost of 1? _____ p
- 12 Find the cost of 300 g if $\frac{1}{2}$ kg costs 30p. _____ p


C ANSWER

- 1  How many small squares are there in $\frac{1}{10}$ of this diagram? _____
- 2

765	884	670
-----	-----	-----

Which of these numbers will divide by 2, 5 and 10 without a remainder? _____
- 3 By putting in a decimal point make
(a) the 5 in 2056 equal to 5 tenths (a) _____
(b) the 7 in 1870 equal to 7 hundredths. (b) _____
- 4 A 1p coin has a mass of 3.56 grams.
Find the mass of (a) 100 coins (a) _____ g
(b) 50 coins. (b) _____ g
- 5 $\frac{3}{8}$ of a sum of money is £1.10.
What is the whole amount? _____ £
- 6 How many bottles each holding 150 ml can be filled from a can holding $1\frac{1}{2}$ l? _____
- 7  This is a sketch map of a park. What is the perimeter of the park in km? _____ km
- 8

£3.73	£3.54	£3.37	£3.36	£3.63
-------	-------	-------	-------	-------

Which two of these amounts when added together equal £7? _____ £
- 9 Sophie and Olivia shared 60p so that Olivia had 10p more than Sophie.
How much did Sophie have? _____ p
- 10  Write as a decimal fraction the part of the circle which is
(a) shaded (a) _____
(b) unshaded. (b) _____
- 11 The length of a steel rod is 1.75 m.
Write the length of a rod 4 times as long. _____ m
- 12

PET FOOD
LARGE TINS (340 g) 67p EACH SMALL TINS (170 g) 10 for £3.50

How much is saved when buying 10 large tins rather than 20 small tins? _____ p

Next work Progress Test 2 on page 30.
Enter the result and the date on the chart.

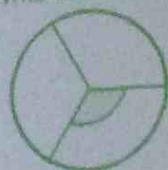
PROGRESS TEST 2

Write the numbers 1 to 20 down the side of a sheet of paper.
Write alongside these numbers the **answers only** to the following questions.
Work as quickly as you can. Time allowed - **10 minutes**.

1

Write the sum of £0.44, £0.56 and £1.55 to the nearest TEN.

2



The circle is divided into three equal parts.
How many degrees are there in the angle marked at the centre?

3

A car travelled for 15 minutes at a speed of 48 km/h.
What distance did it travel?

4

The circumference of a wheel is 1.25 m. How many m will it travel in 10 turns?

5

Make 306 one hundred times smaller.

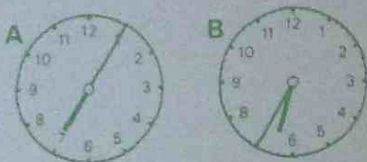
6

Write as a decimal the total of 20, $\frac{8}{10}$ and $\frac{19}{100}$.

7

Subtract $\frac{2}{9}$ of 27 from $\frac{3}{5}$ of 45.

8



Clock A is 10 minutes fast.
How many minutes slow is clock B?

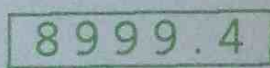
9

By how many m is 648 m less than $\frac{3}{4}$ km?

10

Write the decimal fraction which is half-way between 0.4 and 0.38.

11



This reading is taken from a dial in a car. It shows the number of km travelled. What will be the reading after travelling a further 700 m?

12

If one article costs £0.44 what will be the cost of 100?

13

Find the cost of $4\frac{3}{4}$ kg at 40p per kg.

14

By how many sixths is $\frac{1}{2}$ less than $\frac{2}{3}$?

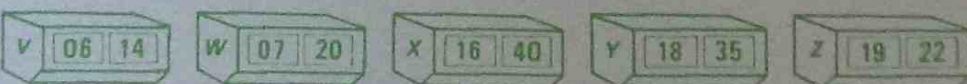
15

Which 3 coins were given in change from £3 after spending £1.28 and £1.56?

16

$3\frac{1}{2}$ litres + 900 ml + 600 ml = \quad l

17



Which of these 24-hour clock times is nearest to twenty to seven in the evening?

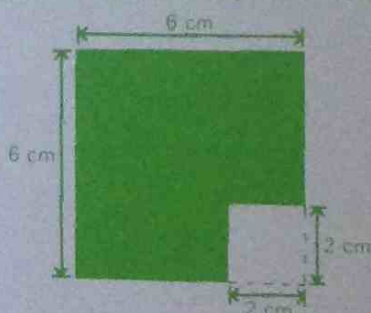
18

How many g more than $\frac{1}{2}$ kg is the sum of 334 g and 286 g?

19

50 cm of tape cost 28p. Find the cost of 1.25 m.


20



Find in cm the perimeter of the shaded shape.

Section 3 Test 1

A ANSWER

- 1  How many less than six thousand is the number shown on the abacus picture? _____
- 2 4 km 720 m = _____ m
- 3 35p \times 10 = £ _____
- 4 $\frac{1}{2}$ l - 340 ml = _____ ml
- 5 50p + 50p + 50p + 35p = £ _____
- 6 23 + 9 + 18 _____
- 7 2 h 25 min = _____ min
- 8 £5.70 = _____ TENS
- 9 $1\frac{1}{2}$ kg - _____ g = 650 g
- 10 $\frac{1}{2} + \frac{2}{3} + \frac{1}{6}$ _____
- 11 32.4 cm = _____ mm
- 12 $\frac{3}{4}$ of 8 £ _____

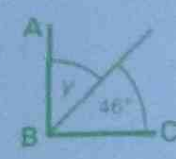
B ANSWER

- 1 Write in figures:
four thousand two hundred and four. _____
- 2 Subtract £0.49 from £1.00. _____ p
- 3 Find the average of 6, 8 and 10. _____
- 4 What is the cost of 8 pencils at 2 for 17p? _____ p
- 5 50 cm is cut off a 3.5-m roll of ribbon. How many metres are left? _____ m
- 6 Divide £1.28 by 8. _____ p
- 7 Change to 24-hour clock times
(a) 11.55 a.m. (a) _____
(b) 1.40 p.m. (b) _____
- 8 Subtract $\frac{1}{3}$ of 30p from $\frac{1}{2}$ of 30p. _____ p
- 9 How many ml in 0.5 l? _____ ml
- 10


12	24	33	18
----	----	----	----

Which of these numbers can be divided by 2, 3, 6 and 9 without a remainder? _____
- 11 What fraction, in its lowest terms, is 400 m of 1 km? _____
- 12 Find the difference between 0.3 and 0.03 _____

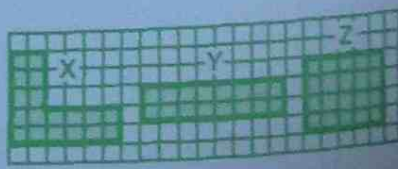
C ANSWER

- 1 How much change from £1.00 after buying 8 labels at 9p each? _____ p
- 2  Angle ABC is a right angle. How many degrees are there in the angle marked y? _____
- 3 Tom had 40 marbles. He lost 16 and then won 24. How many marbles had he then? _____
- 4

--	--	--	--	--	--	--	--	--	--

What fraction of this strip is
(a) shaded
(b) unshaded? (a) _____ (b) _____
- 5 Write these times in figures using a.m. or p.m.
(a) $2\frac{1}{2}$ hours after 10.00 a.m. (a) _____
(b) 7 hours after 7.00 pm (b) _____
- 6 Find, to the nearest km, the total distance from Bant to Crock.  _____ km
- 7 James saved £1.25 each week for 8 weeks. How much did he save? _____ £
- 8 How many g less than 4 kg is the total mass of 10 parcels each having a mass of 345 g? _____ g
- 9

marbles	
Large 6p each	Small 4p each

Find the total cost of 6 large marbles and 6 small marbles. _____ p
- 10 A car travelled at an average speed of 90 km/h for $1\frac{1}{2}$ hours. What distance did it travel? _____ km
- 11 By counting the squares find which of the shapes has

(a) the largest area (a) _____
(b) the smallest area. (b) _____
- 12

V	W
8	0
0	8
8	0

How many times larger is the 8 marked V than the 8 marked W? _____

Section 3 Test 2

A ANSWER

- $8 + 7000 + \quad = 7808$ _____
- $£6.00 - £1.95 = £$ _____
- 46×6 _____
- $7 \overline{) 749}^x$ Find the value of x . _____
- $85p + \quad p = £1.15$ _____ p
- $5 \text{ kg } 60 \text{ g} = \quad \text{g}$ _____ g
- $7 \text{ cm} - 1.5 \text{ cm} = \quad \text{mm}$ _____ mm
- $£9.00 \div 100 = \quad p$ _____ p
- $2.75 \text{ m} = \quad \text{m} \quad \text{cm}$ _____ m _____ cm
- $\frac{4}{3}$ of 35 kg _____ kg
- $200 \text{ min} = \quad \text{h} \quad \text{min}$ _____ h _____ min
- $\frac{1}{2} \text{ kg} + 130 \text{ g} + \quad \text{g} = \frac{1}{2} \text{ kg}$ _____ g

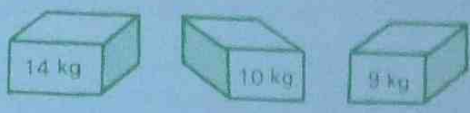
B ANSWER

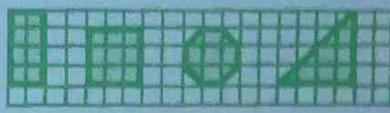
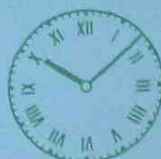
- Divide the sum of 53 and 65 by 2. _____
- The change from £2.00 was 43p. How much had been spent? _____ £
- Find the product of 8 and 8. _____
- 10 gift cards cost £1.20. Find the cost of 1 card. _____ p
- Write the next two numbers of this series.


0.2	0.4	0.6	0.8
-----	-----	-----	-----

- From 360° subtract the sum of two right angles. _____ °
- How many km and m are equal to 1560 m? _____ km _____ m
- Write $9\frac{3}{8}$ to the nearest whole number. _____
- Change to 12-hour clock times. Use a.m. or p.m. (a) 15.45 _____ (a)
 (b) 00.15 _____ (b)
- How many whole ones are equal to 36 quarters? _____
- How many tens have the same value as 5010? _____
- The sum of two numbers is 17. The difference between them is 1. What are the two numbers? _____

C ANSWER

- Find the change from £5 after spending £1.33 and £2.57. _____ £
- A car travelled 240 km in 3 hours. What was the average speed in km/h? _____ km/h
- 

Find the average mass of the three boxes. _____ kg
- Grapes cost £3.60 per kg. What is the cost of 2 kg 500 g? _____ £
- By counting the small squares find the two shapes which are equal in area. Name the two shapes. _____

- Josh had 150 stamps. He put 15 stamps on each of 8 pages in his album. How many stamps had he left? _____
- 

This clock is 15 minutes fast. Write the correct time in figures using a.m. or p.m. _____ morning
- A pack of 4 tins of ham can be bought for £5.12. Find the cost of 1 tin. _____ £
- At a football match there were 12 498 spectators. Write the number of spectators
 (a) to the nearest hundred _____ (a)
 (b) to the nearest thousand. _____ (b)
- 

These angles are equal.
 (a) How many right angles are equal to the sum of the five angles? _____ (a)
 (b) How many degrees are there in each of the five angles? _____ (b)
- Share 80p between Ali and Katie so that Ali has 20p more than Katie.
 Ali _____ p Katie _____ p
- There were 2.5 l of milk for 4 children. 100 ml were spilt and the remainder was divided equally. What was one share? _____ ml

Section 3 Test 4

A

ANSWER

- $270 \text{ ml} + 300 \text{ ml}$ _____ ml
- $10\,000 - 100$ _____
- $4.93 \text{ m} =$ _____ cm
- $\frac{7}{10}$ of £1 = _____ p
- $3.93 + 0.07$ _____
- $6.06 = \frac{\quad}{100}$ _____
- $0.7 \text{ kg} + 0.4 \text{ kg} =$ _____ kg _____ g
- $\frac{9}{2} = 9\frac{1}{2}$ _____
- $\frac{1}{3} - \frac{1}{6}$ _____
- $£1.30 +$ _____ $= 10\text{p}$
- From 11.25 a.m. to 12.45 p.m.
= _____ min.
- $1 \text{ kg } 700 \text{ g} \times 5 =$ _____ kg



B

ANSWER

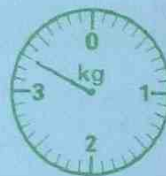
- Write as a decimal (a) $3\frac{1}{10}$ _____ (a)
(b) $4\frac{8}{10}$ _____ (b)
- How many FIVES must be added to 5 FIFTIES to make £2.80? _____
- Write 268 mm to the nearest cm. _____ cm
- Which two of these fractions are of equal value?
 $\frac{2}{3}$ $\frac{1}{4}$ $\frac{4}{8}$ $\frac{4}{8}$ $\frac{3}{4}$ _____
- $1\frac{1}{2}$ l of a 2-l can are used.
How many ml are left? _____ ml
- The average of 3 numbers is 9. What is the total of the three numbers? _____
- How many years from 1985 to the year 2000? _____
- Josh has completed 4.4 km of a 5-km journey.
How many metres has he still to travel? _____ m
- Multiply 1.8 by 5. _____
- How many times shorter is 15 cm than 1.5 m? _____
- 2 biscuits cost 15p.
Find the cost of half a dozen. _____ p
- A square has sides each 9 cm long.
What is the area of the square?
Give the unit of measurement. _____

C

ANSWER

- After losing 25 marbles, Lucy had 9 blue and 8 red ones left.
How many had she at first? _____
- 
 $\frac{5}{9}$ of this rectangle is shaded.
What fraction is unshaded? _____
- To pay for two pens costing 75p and 85p Mandeep gave the shopkeeper two £1 coins and a TEN.
What coin did he receive in change? _____ p
- 
The ruler is marked in mm.
Write, in cm, the length of each line Y and Z.
Y _____ cm
Z _____ cm
- James had £4.00 spending money.
He spent 80p each day. For how many days did his money last? _____

6

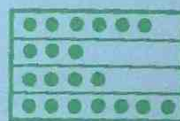


How many grams must be added to the scale pan to make 4 kg? _____ g

7

Josh's holiday is from the 18th January until the 13th February inclusive of both dates. How many days is that? _____

8

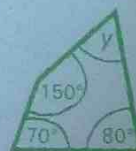


Find the average number of dots in a row. _____

9

Mrs Jones travelled on a motorway from 11.00 a.m. to 12.15 p.m. Her average speed was 100 km/h. What distance did she travel? _____ km

10



How many degrees are there in the angle marked y ? _____

11

How much change from £5 after buying 8 tins of fruit at 55p each? _____ p

12

How far is it round a rectangular playground which is 75 m long and 60 m wide? _____ m

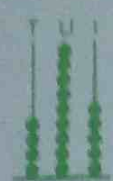
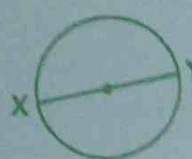
Turn back to page 30 and work for the second time Progress Test 2.

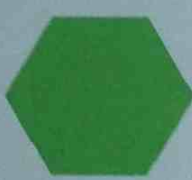
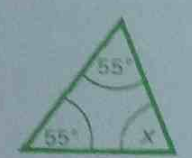
Enter the result and the date on the chart.

Section 3 Test 5

A	ANSWER
1	$2.9 =$ _____ tenths
2	$£4.07 =$ _____ p
3	$3 \text{ h } 50 \text{ min} =$ _____ min
4	$246 \times 5 =$ _____ £
5	$? \times$ _____ $= 43 - 8$
6	$76p + 5 \text{ FIVES} =$ _____ £
7	$(1000 \times 10) + (100 \times 5) + (10 \times 7)$ _____
8	$3.08 \text{ m} =$ _____ cm
9	Find $\frac{2}{3}$ of $3\frac{1}{2}$ _____
10	$0.6 \text{ kg} -$ _____ g $= 340 \text{ g}$
11	$3\frac{1}{2} \text{ r} =$ _____ £ _____ ml
12	$11p \times 100 =$ _____ £

B	ANSWER
1	Find the missing number in this series. 1, 10, 100, _____, 10 000
2	Find the product of 10 and 45. _____
3	How many times greater than 0.1 is 10? _____
4	What distance in km and m is twice as long as 4.8 km? _____ km _____ m
5	Divide 52p exactly by 4. _____ p
6	Find the difference in pence between 15 TENS and 40 FIVES. _____ p
7	A journey of 7 km cost 91p. How much was the charge per km? _____ p
8	Write to the nearest $\frac{1}{2}$ kg (a) 1 kg 620 g _____ (a) _____ kg (b) 2 kg 390 g _____ (b) _____ kg
9	Find the area of a rectangle 7 cm long and 3 cm wide. Give the unit of measurement. _____
10	By how many pence is $\frac{1}{5}$ of £3 greater than $\frac{1}{8}$ of £3? _____ p
11	58 cm divided by 10 = _____ mm
12	Write as a decimal fraction of a kg the sum of $\frac{1}{2}$ kg and 450 g. _____ kg

C	ANSWER
1	 <p>What decimal fraction must be added to the number shown on the abacus picture to equal 50? _____</p>
2	What fraction of 28 kg is (a) 7 kg (b) 4 kg? (a) _____ (b) _____
3	$18/6/93$ By how many months is 18 February 1994 later than the given date? _____ months
4	Write a quarter of a metre (a) in cm _____ (a) _____ cm (b) as a decimal fraction of a metre. (b) _____ m
5	 <p>The radius of this circle is 0.9 cm. Find the length of the line XY in mm. _____ mm</p>

6	<table border="1" data-bbox="941 974 1292 1041"> <tr> <td>$\frac{5}{8}$</td> <td>$\frac{5}{7}$</td> <td>$\frac{5}{8}$</td> <td>$\frac{5}{9}$</td> <td>$\frac{5}{10}$</td> </tr> </table> <p>Which of these fractions is (a) the largest (b) the smallest? (a) _____ (b) _____</p>	$\frac{5}{8}$	$\frac{5}{7}$	$\frac{5}{8}$	$\frac{5}{9}$	$\frac{5}{10}$								
$\frac{5}{8}$	$\frac{5}{7}$	$\frac{5}{8}$	$\frac{5}{9}$	$\frac{5}{10}$										
7	A cyclist travelled 72 km in 3 hours. What was his average speed in km/h? _____ km/h													
8	 <p>The perimeter of this regular hexagon is 7.2 cm. Find the length of one side (a) in cm _____ (a) _____ cm (b) in mm _____ (b) _____ mm</p>													
9	<table border="1" data-bbox="941 1545 1500 1635"> <tr> <td rowspan="2">PRICE CHART</td> <td>mass</td> <td>100g</td> <td>150g</td> <td>200g</td> <td>250g</td> <td>300g</td> </tr> <tr> <td>cost</td> <td>18p</td> <td>x</td> <td>36p</td> <td>y</td> <td>54p</td> </tr> </table> <p>Find the value in pence of x and y. _____ p _____ p</p>	PRICE CHART	mass	100g	150g	200g	250g	300g	cost	18p	x	36p	y	54p
PRICE CHART	mass		100g	150g	200g	250g	300g							
	cost	18p	x	36p	y	54p								
10	 <p>How many degrees are there in the angle marked x? _____ °</p>													
11	<table border="1" data-bbox="941 1926 1244 2060"> <tr> <td colspan="2">Amounts spent</td> </tr> <tr> <td>Tom 10p</td> <td>Katie 20p</td> </tr> <tr> <td>Salma 40p</td> <td>Daniel 30p</td> </tr> </table> <p>Find the average amount spent by the children. _____ p</p>	Amounts spent		Tom 10p	Katie 20p	Salma 40p	Daniel 30p							
Amounts spent														
Tom 10p	Katie 20p													
Salma 40p	Daniel 30p													
12	Daniel takes four 5-ml spoonfuls of medicine each day. For how many days will 0.2 l last him? _____ days													

Section 3 Test 6

A **ANSWER**

1 $6 + 9000 + 400 = 9456$ _____

2 $\frac{1}{100}$ = hundredths _____ $\frac{\quad}{100}$

3 $14.05 = 50p = \text{£}$ _____

4 $24 + 24 + 24 + 24 + 24 + 24 + 24$ _____

5 $1\text{ }1600\text{ ml} + 8 = \text{ ml}$ _____ ml

6 $13.60 \div 10 = \text{ p}$ _____ p

7 $9.6\text{ cm} - 15\text{ mm} = \text{ mm}$ _____ mm

8 $13 \times 10 = 3\text{ FIFTIES} + \text{ TWENTIES}$ _____ TWENTIES

9 $10^2 - 5^2$ _____

10 $8\text{ km} - 1700\text{ m} = \text{ km}$ _____ km

11 $\frac{3}{4}\text{ kg} - 260\text{ g} = \text{ g}$ _____ g

12 $\frac{5}{7}$ of £63 _____ £

B **ANSWER**

1 How many times greater is £8 than 8p? _____

2 Find the diameter of a circle the radius of which is (a) 5.5 cm _____ (a) _____ cm
(b) 46 mm. _____ (b) _____ mm

3 Reduce 125 by 99. _____

4 How many hundreds are there in 10 000? _____

5 Multiply 55p by 10. _____ £

6 How many hours in 3 days? _____

7 Write in £s the total of 7 FIVES, 4 TENS and 9 TWOS. _____ £

8 500 g cost 28p. Find the cost of $1\frac{1}{2}$ kg. _____ p

9 Multiply 9.5 cm by 100. Write the answer in m. _____ m

10 Write the sum of $4\frac{7}{10}$ and $3\frac{9}{10}$ as a decimal. _____


11 $\frac{1}{4}$ of a number is 9. What is the number? _____

12 A 4-m length of ribbon is cut into 5 equal pieces. Find the length in cm of one piece. _____ cm

C **ANSWER**

1 How much change from a FIFTY after buying 4 badges at 9p each? _____ p

2 Write as a decimal fraction the difference between $\frac{9}{10}$ and $\frac{99}{100}$. _____

3  How many ml remain from 2 l after filling the 3 bottles? _____ ml

4 15th of November was on a Wednesday. On which day of the week was the 29th of November? _____

5 An aircraft left Gatwick at 11.00 and by 13.00 it had travelled 1850 km. What was its average speed in km/h? _____ km/h

6 Write the number nearest to 99 which can be divided exactly by 8. _____

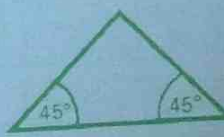
7 Munch Bars are 63p for a packet of 6. Find the cost of 2 bars. _____ p

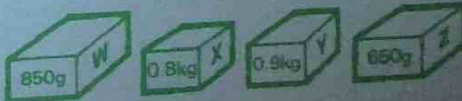
8

Mandeep	9
Emily	7
Sam	□
Jessica	6

 In a test the average score of the four children was 8. What was Sam's score? _____

9 The length of Hassan's pace is 50 cm. How many paces does he take when walking 1 km? _____

10  Name this triangle (a) by its angles _____ (b) by its sides. _____

11  Which two of the boxes together have a mass of 1.5 kg? _____

12
$$\begin{array}{r} 19 \text{ rem. } 5 \\ 6 \overline{) x} \end{array}$$
 Find the value of x _____

Section 3 Test 7

A

ANSWER

- 1 $1.6 =$ (a) tenths (a) _____ tenths
 (b) hundredths (b) _____ hundredths
- 2 $\frac{11}{16} + \quad = 1$ _____
- 3 $23 + 25 = \quad \times 6$ _____
- 4 $0.78 \text{ m} = \quad \text{cm}$ _____ cm
- 5 $57 \div 3$ _____
- 6 $\text{£}1.00 - (23\text{p} + 38\text{p})$ _____ p
- 7 $(6 \times 6) - (3 \times 9)$ _____
- 8 $\text{£}3.50 \times 8 = \text{£}$ _____ £
- 9 $5.6 \text{ cm} - 38 \text{ mm} = \quad \text{mm}$ _____ mm
- 10 $7 \text{ FIVES} = \text{TWOS} + 1\text{p}$ _____ TWOS
- 11 10 articles cost $\text{£}2.50$.
 One will cost _____ p
- 12 $1 \text{ kg } 600 \text{ g} + 3 \text{ kg } 800 \text{ g} = \quad \text{kg}$ _____ kg

B

ANSWER

- 1 Write 864 cm to the nearest m. _____ m
- 2 Increase $\text{£}4.55$ by 90p. _____ £
- 3 Find the radius in cm of a circle which has a diameter of (a) 68 mm (a) _____ cm
 (b) 3.6 cm. (b) _____ cm
- 4 Reduce each fraction to its lowest terms. (a) $\frac{15}{20}$ _____
 (b) $\frac{12}{16}$ (a) _____ (b) _____
- 5 Write as a decimal the total of 3 tens, 7 tenths and 8 hundredths. _____
- 6 Find the missing numbers in this series. 90, 81, _____, 54, 45 _____
- 7 $\frac{54}{6} = 36 + Y$. Find the value of Y. _____
- 8 Find the difference between $\text{£}0.50$ and one quarter of $\text{£}1$. _____ p
- 9 What fraction of 10 is $1\frac{1}{2}$? _____
- 10 Divide $\text{£}8.40$ by 10 and add 16p to the answer. _____ £
- 11 $3.6 \text{ kg} \times 6$. Write the answer to the nearest kg. _____ kg
- 12 Find one quarter of 10 metres (a) in m (a) _____ m
 (b) in cm. (b) _____ cm

C

ANSWER

1



Write the part of the square which is shaded (a) as a decimal fraction (a) _____
 (b) as a vulgar fraction in its lowest terms. (b) _____

2

Which number other than 1 will divide exactly into each of these numbers?

28	42	35	14
----	----	----	----

3



Find the measurement in degrees of the angle marked Y. _____

4

A litre of water has a mass of 1 kg. Find the mass in g of. (a) 0.5 l (a) _____ g
 (b) $\frac{1}{3}$ l (b) _____ g

5

What is the area of a corridor $2\frac{1}{2}$ m wide and 20 m long? Give the unit of measurement. _____

6

TIME TABLE	
LEAVE BORDEN	ARRIVE NOTLEY
X	17.30
Y	18.30
Z	19.30
	18.03
	19.03
	20.03

Which bus X, Y or Z

(a) arrives Notley at 7.03 p.m. (a) _____

(b) leaves Borden at 7.30 p.m.? (b) _____

7

25 cm of tape cost 14p. Find the cost per m. _____ p

8

Katie bought 4 pencils each costing 18p. Name the three coins she gave in exact payment. _____ p _____ p _____ p

9

How many 250-ml bottles can be filled from $2\frac{1}{2}$ l? _____

10

MON	TUES	WED	THURS	FRI
7	11	10	6	6

The chart shows the number of minutes Daniel took to walk to school each day. Find his average time. _____ min

11

A lorry travelled at an average speed of 60 km/h for a distance of 75 km. How long did the journey take? _____ h _____ min

12


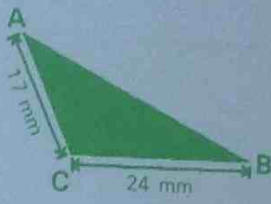

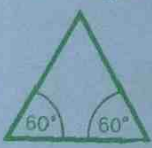


The diagram shows the lengths of the roads from Mandeep's to Hassan's house. Find the total distance in (a) km (a) _____ km
 (b) m. (b) _____ m

Section 3 Test 8

A	ANSWER
1	$39 + 67$ _____
2	$0.1 + 10 + 0.06$ _____
3	$2 \text{ h} - 28 \text{ min} =$ _____ min
4	$500 - (40 \times 9)$ _____
5	$9 \text{ cm} + 10 =$ _____ mm
6	$\frac{3}{5} + \frac{3}{10}$ _____
7	$(9 \times 6) + (3 \times 8)$ _____
8	$\text{ml} \times 10 = 4 \text{ l}$ _____ ml
9	$1.4 \text{ kg} - 850 \text{ g} =$ _____ g
10	$\text{£}1 - (8\text{p} \times 6) =$ _____ p
11	$\frac{7}{8}$ of $\text{£}56$ _____ £
12	$6 \text{ metres} \div 4 =$ _____ cm

B	ANSWER
1	Write to the nearest whole number (a) 8.5 _____ (a) (b) $11\frac{5}{12}$ _____ (b)
2	Write 39p as a decimal fraction of £1. _____ £
3	How many times can 0.2 be taken from 1? _____
4	How many days in (a) a year _____ (a) (b) a leap year? _____ (b)
5	What sum of money is equal to 5 times 88p? _____ £
6	Which of these fractions is equal to $\frac{3}{4}$? $\frac{16}{20}$ $\frac{15}{20}$ $\frac{15}{24}$ $\frac{12}{18}$ _____
7	Find the difference in g between $\frac{1}{2}$ kg and 0.3 kg. _____ g
8	Multiply 8.33 m by 100. _____ m
9	By how many cm is 2.46 m greater than 1.95 m? _____ cm
10	Find the average of 8, 13, 10 and 9. _____
11	By how many is the sum of 15 and 10 less than the product of 15 and 10? _____
12	4,0,8,7 Re-arrange these figures to make the largest possible even number. _____


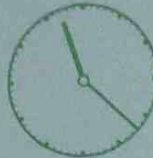

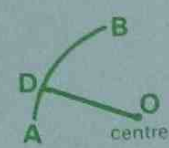

C	ANSWER															
1	How many g less than 5 kg is the total of 2.7 kg and 1.5 kg? _____ g															
2	 Find (a) the diameter (b) the radius of the largest circle which can be drawn in this square. (a) _____ mm (b) _____ mm															
3	How many 7p sweets can be bought for £2.10? _____															
4	 The perimeter of this triangle is 75 mm. Find the length of the side AB. _____ mm															
5	Which 3 coins are given in change from £5 after spending £4.76? _____ p _____ p _____ p															
6	 Write the amount of liquid in this jug as (a) a decimal fraction of 1 l _____ (a) (b) a fraction of 1 l in its lowest terms. (b) _____ l															
7	The cost of $2\frac{1}{2}$ kg of rice is £5.50. Find the cost of 500 g. _____ £															
8	$\begin{array}{r} 154 \\ - ** \\ \hline 67 \end{array}$ Find the missing number. _____															
9	A bus travelled a distance of 150 km at 60 km/h. How long did the journey take? _____ h															
10	 Name this triangle by (a) its angles (a) _____ (b) its sides. (b) _____															
11	<table border="1" data-bbox="909 1601 1053 1713"><tr><td>9996.8</td></tr><tr><td>10 000.0</td></tr></table> The readings show the number of km travelled by a car before and after a journey. Find in km the length of the journey. _____ km	9996.8	10 000.0													
9996.8																
10 000.0																
12	<table border="1" data-bbox="901 1780 1396 1915"><thead><tr><th></th><th>W</th><th>X</th><th>Y</th><th>Z</th></tr></thead><tbody><tr><td>length</td><td>7 cm</td><td>4 cm</td><td>5 cm</td><td>8 cm</td></tr><tr><td>breadth</td><td>$1\frac{1}{2}$ cm</td><td>3 cm</td><td>2 cm</td><td>$1\frac{1}{2}$ cm</td></tr></tbody></table> The chart shows the length and breadth of 4 rectangles. Which two of the rectangles have the same area? _____		W	X	Y	Z	length	7 cm	4 cm	5 cm	8 cm	breadth	$1\frac{1}{2}$ cm	3 cm	2 cm	$1\frac{1}{2}$ cm
	W	X	Y	Z												
length	7 cm	4 cm	5 cm	8 cm												
breadth	$1\frac{1}{2}$ cm	3 cm	2 cm	$1\frac{1}{2}$ cm												

Turn back to page 30 and work for the third time Progress Test 2.
Enter the result and the date on the chart.

Section 3 Test 9

A	ANSWER
1 $\frac{1}{2}$ m = (a) _____ cm (b) _____ mm	(a) _____ cm (b) _____ mm
2 21 thirds = _____ whole ones	_____
3 50p - _____ p = 21p	_____ p
4 £8 + 10 = _____ p	_____ p
5 Find 0.1 of 10 cm.	_____ cm
6 408 + _____ = 6	_____
7 _____ - 99.25 = 0.75	_____
8 £1.95 = _____ TWENTIES + 3 FIVES	_____ TWENTIES
9 (8p × 8) + (4p × 9)	_____ £
10 £0.78 + £0.46	_____ £
11 2.7 km - 1900 m = _____ m	_____ m
12 0.4 m - 0.04 m = _____ cm	_____ cm


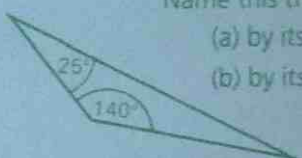


B	ANSWER
1 How many pence have the same value as (a) £0.1 (b) £0.9?	(a) _____ p (b) _____ p
2 Find in ml $\frac{1}{10}$ of 15 l.	_____ ml
3 Two angles of a triangle measure 90° and 55°. Find the measurement of the third angle.	_____ °
4 Divide the sum of the digits from 1 to 6 inclusive by 3.	_____
5 Write the time 35 min before 18.10 in 24-hour clock time.	_____
6 Subtract $1\frac{3}{8}$ from 6.	_____
7 Find the difference in g between $\frac{1}{2}$ kg and $\frac{1}{10}$ kg.	_____ g
8 How many articles costing 6p each can be bought for 84p?	_____
9 $\frac{1}{2}$ £ costs 8p. Find the cost of $2\frac{1}{2}$ £.	_____ p
10 Change each of these fractions to hundredths. (a) $\frac{1}{20}$ (b) $\frac{7}{20}$ (a) $\frac{\quad}{100}$ (b) $\frac{\quad}{100}$	_____
11 Write the missing numbers in this series. 2, 4, 8, _____, 64	_____
12 $\frac{3}{8}$ of a sum of money is £35. Find the whole amount.	_____ £

C	ANSWER								
1 <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>300 g</td> <td>0.4 kg</td> <td>$\frac{1}{2}$ kg</td> <td>1.1 kg</td> </tr> </table> Find the difference in g between the largest and the smallest of these masses. _____ g	300 g	0.4 kg	$\frac{1}{2}$ kg	1.1 kg	_____ g				
300 g	0.4 kg	$\frac{1}{2}$ kg	1.1 kg						
2 Find the total value of these coins. 	_____ £								
3  This clock is 7 min slow. How many minutes is it from the correct time to midnight? evening _____ min	_____ min								
4  Which of the lines are perpendicular to the line XY? _____	_____								
5 5 metres of cloth cost £3.00. Find the cost of (a) 1 m _____ p (b) 20 cm. _____ p	(a) _____ p (b) _____ p								
6 Through how many right angles does the hour-hand of a clock turn in 24 hours? _____	_____								
7  AB is a part of the circumference of a circle 2.8 cm in diameter. Find in mm the length of the line OD. _____ mm	_____ mm								
8 <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>Wasim</td> <td>10 years</td> </tr> <tr> <td>James</td> <td>9 years</td> </tr> <tr> <td>Emily</td> <td>_____ years</td> </tr> <tr> <td>Sunil</td> <td>10 years</td> </tr> </table> The average age of the children is 9 years. How old is Emily? _____ years	Wasim	10 years	James	9 years	Emily	_____ years	Sunil	10 years	_____ years
Wasim	10 years								
James	9 years								
Emily	_____ years								
Sunil	10 years								
9 A tape 20 m long is cut into 100 equal pieces. Find the length in cm of one piece. _____ cm	_____ cm								
10 At a sale, shorts were reduced by 12p in the £1. How much was paid for the shorts which cost £10 before the sale? _____ £	_____ £								
11 In a class library there were 158 non-fiction books and 132 fiction books. How many short of 350 books was the total? _____	_____								
12  Write the letter of the shape which is (a) a rhombus _____ (b) a parallelogram. _____	(a) _____ (b) _____								

Section 3 Test 10

A	ANSWER
1 $£15.00 + 100$	_____ p
2 $1.8 \text{ kg} - 900 \text{ g}$	_____ g
3 47×7	_____
4 $\frac{1}{2} - \frac{1}{5}$	_____
5 $\frac{3}{10}$ of 1 hour = _____ min	_____ min
6 $180 \text{ ml} \times 100 =$ _____ ℓ	_____ ℓ
7 6 30 p.m. to midnight = _____ h	_____ h
8 5 FIVES + _____ TENS = $£3.65$	_____ TENS
9 0.35×6	_____
10 $0.3 + 0.07 + 3.5$	_____
11 $3.05 \text{ m} - 0.5 \text{ m} =$ _____ cm	_____ cm
12 $£4 -$ _____ p = $£3.11$	_____ p

B	ANSWER
1 Complete this series. 950, 975, _____, _____, 1050	_____
2 Multiply 2.5 by 6.	_____
3 How many times can $\frac{1}{12}$ be taken from a whole one?	_____
4 The average of 8 numbers is 7. Find the sum of the eight numbers.	_____
5 How many cm in $\frac{1}{10}$ of 6.2 m?	_____ cm
6 Divide 2 by 5. Write the answer as a decimal fraction.	_____
7 Find the total distance in km of 350 m, 900 m and $\frac{3}{4}$ km.	_____ km
8 What fraction of $£3$ is 30p?	_____
9 Reduce $£6$ by $£1.73$.	_____ \pounds
10 Find the cost of 2 ℓ , if 200 ml cost 8p.	_____ p
11 Write the fraction in its lowest terms which lies midway between $\frac{3}{8}$ and $\frac{5}{8}$.	_____
12 The circumference of a wheel is 50 cm. How many times will it turn in $\frac{1}{2}$ km?	_____

C	ANSWER															
1 How many 75-ml bottles can be filled from $7\frac{1}{2}$ ℓ ?	_____															
2  Find the length of a line 10 times the length of the line ST (a) in cm (a) _____ cm (b) in m. (b) _____ m																
3 Write the next fraction in this series. $\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}$	_____															
4 <table border="1" data-bbox="925 660 1212 784"> <tr><td colspan="4">MARCH</td></tr> <tr><td>Mon</td><td>7</td><td>14</td><td>21</td><td>28</td></tr> <tr><td>Tues</td><td>1</td><td>8</td><td>15</td><td>22</td><td>29</td></tr> </table> Use this part of a calendar to find (a) the date of the 3rd Monday in March (a) _____ (b) the day of the week upon which 1st April falls. (b) _____	MARCH				Mon	7	14	21	28	Tues	1	8	15	22	29	
MARCH																
Mon	7	14	21	28												
Tues	1	8	15	22	29											
5 Biscuits cost 9p for 2. Find the cost of 18.	_____ p															
6  Name this triangle (a) by its angles (a) _____ (b) by its sides. (b) _____																
7 Find (a) the area of a rectangle 6 m long and $3\frac{1}{2}$ m wide (a) _____ (b) the perimeter of the rectangle. (b) _____																
8  In each case give the unit of measurement. The mass of box Y is half the mass of box X. Find in kg and g the total mass of the two boxes. _____ kg _____ g																
9 Chloe and Jack shared $£5$ so that Jack had 50p less than Chloe. How much did Jack have? _____ \pounds																
10  The line MN is drawn to a scale of 1 cm to 1 m. Write in m and cm the length represented by the line MN. _____ m _____ cm																
11 Of the money Amy receives each week she spends $\frac{2}{3}$ and saves the remainder which is 20p. How much money altogether does she receive each week? _____ p																
12 A pack of 20 pins costs 40p. Find the cost of (a) 1 pin (a) _____ p (b) 10 packs of pins. (b) _____ \pounds																

Section 3 Test 11

A

ANSWER

- $9000 + \quad + 7 + 70 = 9777$ _____
- 3.01×100 _____
- $4.05 + 9$ _____
- $(7 \times 7) = 100 -$ _____
- $(0.1 \text{ of } \pounds 1) + (0.01 \text{ of } \pounds 1) =$ p p
- TWENTIES = $\pounds 9$ TWENTIES
- $1\frac{1}{3} + \frac{5}{6}$ _____
- $36p + 45p + 19p = \pounds$ \pounds
- $\frac{7}{8}$ of 72 _____
- $1.1 \text{ km} - 640 \text{ m} =$ m m
- $50 \text{ min} + 28 \text{ min} +$ min = 2 h min
- $\pounds 19 + 5$ \pounds

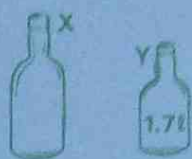
B

ANSWER


- Subtract 0.01 from 0.1. _____
- How many thousands equal fifty hundreds? thousands
- Find how many (a) cm (b) mm there are in 0.7 m. (a) cm (b) mm
- $\frac{1}{2}$ kg costs 20p. Find the cost of (a) 100 g. (a) p (b) 800 g. (b) p
- By how much is 99p less than 24 FIVES? p
- Multiply $\pounds 5.09$ by 7 and write the answer to the nearest \pounds . \pounds
- Write as a decimal fraction (a) $\frac{1}{5}$ (a) (b) $\frac{1}{50}$ (b)
- Find the difference between $(4.0 + 6.0)$ and $(0.4 + 0.6)$. _____
- Change 1050p to \pounds s. \pounds
- Add 6^2 and 4^2 . _____
- Name (a) the sixth month (a) (b) the ninth month of the year. (b)
- How many pennies are 24 TWOS more than 9 FIVES? p

C

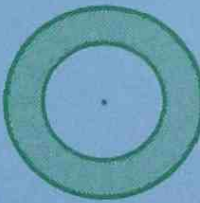
ANSWER

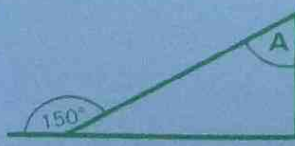
- Add 8.3 to 5.19 and write the answer to the nearest whole number. _____
- 

Bottle X holds twice as much as bottle Y. Write the amount bottle X holds in l and ml. l ml
- | | | | | |
|-----|------|------|------|------|
| 0.9 | 0.01 | 0.25 | 0.09 | 0.75 |
|-----|------|------|------|------|

Which two of these fractions when added together equal (a) a whole one (a) _____ (b) one tenth? (b) _____
- Find the difference between a half of 18 and one sixth of 30. _____
- 100 pieces of cheese each having a mass of 55 g are packed in a box. The box has a mass of 500 g. Find the total mass of the full box. kg
- Write the next two fractions in this series. 2, 1, $\frac{1}{2}$, $\frac{1}{3}$, _____
- 

The mass of some bananas is shown on the dial. Find their cost at 30p per kg. \pounds
- William scored 51 with 3 darts. He scored 19 and 16 with the first two darts. What was his third score? _____
- | | |
|--------|--------|
| Mon. | 150 km |
| Tues. | 150 km |
| Wed. | 100 km |
| Thurs. | 100 km |
| Fri. | 100 km |

Mr Gupta travelled these distances in 5 days. What was his average daily journey? km
- 

The two circles have the same centre. The inner circle has a diameter of 15 mm. The outer circle has a diameter of 25 mm. Find the width of the shaded part. mm
- 

In this right-angled triangle, what is the size in degrees of the angle marked A?
- $\frac{28}{7} = \frac{36}{x}$ Find the value of x.

Section 3 Test 12

A ANSWER

- $£1.45 + 86p = £$ _____
- $\frac{7}{8} + \frac{1}{4} = 1\frac{1}{2}$ _____
- $40.5 + 10$ _____
- $2 \overline{) \begin{array}{r} £1.93 \\ \text{Ex} \end{array}}$ Find the value of x. _____
- $\text{cm} \times 10 = 1.40 \text{ m}$ _____ cm
- $£3 - £$ = £0.72 _____
- $117 \text{ min} = \text{ h } \text{ min}$ _____ h _____ min
- $0.4 \text{ kg} - \text{ g} = 130 \text{ g}$ _____ g
- $45 \div 9 = 40 =$ _____
- $350 \text{ ml} \times 8 = \text{ l}$ _____ l
- 999×3 _____
- $15 \text{ km} - 10.5 \text{ km} = \text{ m}$ _____ m

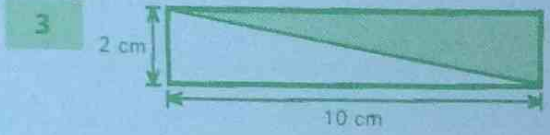
B ANSWER

- Write as a decimal 403 hundredths. _____
- What fraction of 1 hour is 12 minutes? _____
- How many TWENTIES are equal in value to £0.8? _____
- Find the difference between $(\frac{4}{7} + \frac{3}{7})$ and 7. _____
- Divide the sum of £3.50 and 75p by 5. _____ p
- Write 10 l 250 ml to
(a) the nearest l _____ (a) _____
(b) the nearest $\frac{1}{2}$ l. _____ (b) _____ l
- Reduce each of these fractions to its lowest terms. (a) $\frac{15}{25}$ _____ (a) _____ (b) $\frac{60}{100}$ _____ (b) _____
- What must be added to 3 TENS and 6 FIVES to make 90p? _____ p
- | | | | |
|--------|-----------------|-------|--------|
| 0.24 m | $\frac{1}{4}$ m | 1.0 m | 120 cm |
|--------|-----------------|-------|--------|

 Subtract the shortest measurement from the longest. _____ cm
- Find the average of 5, 6, 7, 8 and 9. _____
- 8 strips each measure 65 cm. Find their total length in m. _____ m
- 600 ml cost 42p. Find the cost of 1 l. _____ p

C ANSWER

- How many packets each containing 250 g can be made from 10 kg? _____
- $x \ y$
34.94 Find the difference between the 4 marked x and the 4 marked y. _____

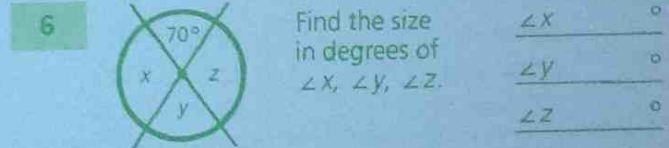


- Find (a) the area of the shaded triangle _____ (a) _____
(b) the perimeter of the rectangle. _____ (b) _____

- Write the unit of measurement in each case.
4 How many pens each costing 60p can be bought for £4.80? _____



- 5 Find the total value of the coins. _____ £



- 6 Find the size in degrees of $\angle x, \angle y, \angle z$.
_____ °
_____ °
_____ °

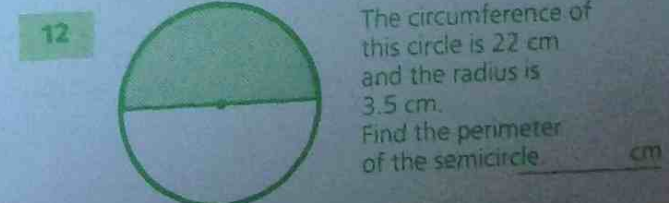
- 7 A Dinky caravan is 3350 mm in length and a Comfort caravan is 3.5 m long. By how many mm is the Comfort longer than the Dinky? _____ mm

- 8 The total length of the sides of an isosceles triangle is 840 mm. The shortest side measures 240 mm. Find the length of each of the other two sides. _____ mm

- 9 A motorist travelled to Blackpool in $2\frac{1}{2}$ h at an average speed of 64 km/h. What distance did he travel? _____ km

- 10 60p is made up of an equal number of FIVES and TENS. How many FIVES are there? _____ FIVES

- 11 The diameter of a 10p coin is 24.5 mm. Ten coins are placed side by side in a straight line. Find the length of the line in cm. _____ cm



- 12 The circumference of this circle is 22 cm and the radius is 3.5 cm. Find the perimeter of the semicircle _____ cm

Turn back to page 30 and work for the fourth time Progress Test 2.
Enter the result and the date on the chart.

CHECK-UP TEST

Number

A Write in figures.

nine hundred and sixty _____
 four hundred and eight _____
 eight thousand and seventy _____

four thousand and six _____
 ten point one _____
 three point nought five _____

one point one nine _____
 twenty point nought two _____

B $3000 + 500 + \quad + 9 = 3569$ _____

$6000 + \quad + 80 + 1 = 6881$ _____

$3 + 40 + 9000 =$ _____

$(1000 \times 4) + (100 \times 9) + (10 \times 3) =$ _____

$7.0 + 0.5 + 0.01 =$ _____

$10.0 + 0.4 =$ _____

$6.0 + 0.02 =$ _____

$20.0 + 0.08 =$ _____

C $456 =$ _____ tens + 6 units

$903 =$ _____ tens + 3 units

$1875 =$ _____ tens + 5 units

$5102 =$ _____ hundreds + 2 units

$9040 =$ _____ hundreds + 4 tens

_____ tens

_____ tens

_____ tens

_____ hundreds

_____ hundreds

Write as a decimal.

1 tenth _____

1 hundredth _____

101 tenths _____

105 hundredths _____

$\frac{9}{10}$ _____
 $\frac{18}{100}$ _____
 $\frac{95}{1000}$ _____
 $\frac{20}{100}$ _____

D Write the value of the figure underlined.

467 _____

8479 _____

32.5 _____

3751 _____

2008 _____

160.2 _____

32.14 _____

10.95 _____

0.56 _____

865.8 _____

40.06 _____

20.02 _____

E How many times smaller is

5 than 50 _____

7 than 700 _____

270 than 2700 _____

96 than 960 _____

23 than 2300 _____

54 than 5400 _____

0.6 than 6.0 _____

0.1 than 10.0 _____

0.08 than 8.0 _____

0.3 than 30 _____

0.07 than 0.7 _____

0.25 than 25? _____

How many times larger is

390 than 39 _____

4500 than 45 _____

3100 than 31 _____

400 than 40 _____

9000 than 90 _____

6140 than 614 _____

8.0 than 0.8 _____

16.0 than 1.6 _____

9.0 than 0.09 _____

50 than 0.5 _____

0.4 than 0.04 _____

17 than 0.17? _____

F $7 + 8$ _____

$6 + 5$ _____

$9 + 9$ _____

$4 + 7$ _____

$8 + 3$ _____

$9 + 7$ _____

$7 + 5$ _____

$5 + 9$ _____

$4 + 8$ _____

$9 + 4$ _____

$8 + 9$ _____

$6 + 6$ _____

$3 + 8$ _____

$8 + 6$ _____

$17 + 7$ _____

$8 + 25$ _____

$59 + 6$ _____

$5 + 76$ _____

$46 + 8$ _____

$7 + 89$ _____

$38 + 7$ _____

$4 + 59$ _____

$69 + 5$ _____

$8 + 34$ _____

$77 + 6$ _____

$9 + 68$ _____

$43 + 9$ _____

$6 + 87$ _____

$11 - 6$ _____

$13 - 8$ _____

$15 - 9$ _____

$11 - 8$ _____

$14 - 7$ _____

$12 - 3$ _____

$17 - 8$ _____

$14 - 9$ _____

$12 - 7$ _____

$14 - 8$ _____

$13 - 6$ _____

$11 - 7$ _____

$13 - 4$ _____

$16 - 7$ _____

$26 - 9$ _____

$22 - 6$ _____

$43 - 5$ _____

$61 - 4$ _____

$85 - 7$ _____

$93 - 9$ _____

$32 - 8$ _____

$54 - 6$ _____

$72 - 5$ _____

$41 - 3$ _____

$82 - 9$ _____

$95 - 6$ _____

$67 - 9$ _____

$56 - 8$ _____

G Find the value of x.

$x - 9 = 3$ _____

$8 + x = 15$ _____

$x - 7 = 4$ _____

$x + 2 = 11$ _____

$14 - x = 5$ _____

$x - 5 = 8$ _____

$9 + x = 15$ _____

$x - 8 = 8$ _____

$x + 7 = 13$ _____

$12 - x = 4$ _____

$9 + x = 18$ _____

$x - 5 = 7$ _____

$8 + x = 14$ _____

$x - 7 = 9$ _____

$x + 9 = 17$ _____

7 × 7	(6 × 9) + 8	36 + 9	30 + 8	rem.
6 × 6	(4 × 8) + 7	49 + 7	16 + 9	rem.
3 × 7	(5 × 7) + 6	30 + 5	20 + 3	rem.
5 × 9	(6 × 3) + 2	72 + 8	54 + 8	rem.
3 × 8	(1 × 9) + 5	24 + 6	80 + 9	rem.
6 × 6	(2 × 7) + 6	0 + 4	63 + 8	rem.
4 × 5	(3 × 9) + 6	27 + 9	20 + 7	rem.
8 × 2	(7 × 7) + 4	42 + 6	53 + 9	rem.
0 × 3	(5 × 6) + 3	64 + 8	21 + 8	rem.
9 × 9	(6 × 8) + 5	40 + 5	3 + 5	rem.
6 × 5	(0 × 5) + 3	18 + 9	40 + 7	rem.
8 × 7	(8 × 8) + 7	56 + 7	19 + 5	rem.
3 × 8	(4 × 9) + 5	28 + 4	69 + 9	rem.
9 × 4	(8 × 7) + 4	32 + 8	48 + 7	rem.
4 × 6	(9 × 6) + 5	81 + 9	16 + 6	rem.
7 × 9	(2 × 8) + 6	36 + 6	45 + 8	rem.
4 × 3	(4 × 7) + 4	35 + 5	57 + 6	rem.
9 × 8	(8 × 9) + 8	54 + 9	31 + 8	rem.
7 × 4	(7 × 6) + 4	48 + 6	61 + 7	rem.
3 × 5	(3 × 6) + 4	63 + 7	62 + 9	rem.

B Find the value of x.

5 × x = 40	x + 8 = 9	36 ÷ x = 9
x + 6 = 5	5 × x = 45	4 × x = 24
x × 7 = 42	x + 9 = 9	16 ÷ x = 4
27 ÷ x = 9	x × 4 = 32	x × 8 = 64
9 × x = 63	21 ÷ x = 3	x + 4 = 7

$\frac{1}{2}$ of 18	$\frac{1}{2}$ of 28	$\frac{3}{4}$ of 20	$\frac{2}{5}$ of 45
$\frac{2}{3}$ of 21	$\frac{1}{5}$ of 40	$\frac{5}{6}$ of 54	$\frac{4}{7}$ of 35
$\frac{3}{4}$ of 36	$\frac{1}{8}$ of 32	$\frac{7}{8}$ of 48	$\frac{2}{9}$ of 63
$\frac{4}{9}$ of 45	$\frac{1}{10}$ of 100	$\frac{3}{10}$ of 70	$\frac{9}{10}$ of 80

D Find the whole number when

$\frac{1}{3}$ is 8	$\frac{1}{5}$ is 6	$\frac{5}{6}$ is 30	$\frac{4}{5}$ is 16
$\frac{2}{3}$ is 7	$\frac{1}{8}$ is 9	$\frac{7}{8}$ is 21	$\frac{2}{3}$ is 12
$\frac{1}{9}$ is 4	$\frac{1}{10}$ is 12	$\frac{4}{9}$ is 36	$\frac{7}{10}$ is 49

11 × 10	130 ÷ 10	1.3 × 10	4.0 ÷ 10
100 × 10	800 ÷ 10	0.96 × 10	66.0 ÷ 10
145 × 10	4620 ÷ 10	0.02 × 10	0.3 ÷ 10
15 × 100	1900 ÷ 100	10.8 × 100	7.0 ÷ 100
120 × 100	6500 ÷ 100	0.05 × 100	19.0 ÷ 100
104 × 100	10 000 ÷ 100	1.13 × 100	403.0 ÷ 100

F Find the missing numerator or denominator.

$\frac{3}{10} = \frac{9}{10}$	$\frac{3}{4} = \frac{9}{4}$	$\frac{1}{5} = \frac{20}{5}$	$\frac{1}{10} = \frac{100}{10}$	$\frac{50}{100} = \frac{1}{100}$
$\frac{2}{12} = \frac{2}{12}$	$\frac{5}{6} = \frac{10}{6}$	$\frac{3}{5} = \frac{60}{5}$	$\frac{3}{10} = \frac{100}{10}$	$\frac{75}{100} = \frac{3}{100}$
$\frac{1}{16} = \frac{1}{16}$	$\frac{7}{20} = \frac{35}{20}$	$\frac{1}{25} = \frac{4}{25}$	$\frac{7}{10} = \frac{100}{10}$	$\frac{20}{100} = \frac{1}{100}$

CHECK-UP TEST

Money and Time

A Write in each box the coins which make up the given amount. Use the least possible number of coins.

32p		54p		65p	
80p		67p		18p	
26p		71p		59p	

B Find the change from each amount.

Amount	Spent	CHANGE	Amount	Spent	CHANGE	Amount	Spent	CHANGE
50p	24p	_____ p	90p	81p	_____ p	£3	£2.13	£ _____
50p	35p	_____ p	60p	52p	_____ p	£4	£1.25	£ _____
50p	12p	_____ p	30p	23p	_____ p	£4	£2.48	£ _____
50p	37p	_____ p	45p	41p	_____ p	£5	£3.09	£ _____
50p	28p	_____ p	£1	24p	_____ p	£5	£2.46	£ _____
50p	19p	_____ p	£1	37p	_____ p	£5	£1.67	£ _____
50p	23p	_____ p	£2	£1.69	_____ p	£5	£2.11	£ _____
50p	16p	_____ p	£2	£1.06	_____ p	£5	£0.88	£ _____

C

10 FIVES = _____ TWOS	£7.50 = _____ FIFTIES	£2.55 = _____ TWENTIES, 3 FIVES
6 FIVES = _____ TWOS	£10.00 = _____ FIFTIES	£1.72 = _____ TWENTIES, 6 TWOS
14 FIVES = _____ TENS	£3.80 = _____ TWENTIES	£2.78 = _____ TWENTIES, 9 TWOS
100 FIVES = _____ TENS	£10.00 = _____ TWENTIES	£4.30 = _____ TENS, 1 FIFTY
12 FIVES = _____ TWENTIES	£5.00 = _____ TENS	£3.80 = _____ FIFTIES, 3 TENS
50 TENS = _____ TWENTIES	£7.50 = _____ TENS	£4.25 = _____ FIFTIES, 5 FIVES
45 TENS = _____ FIFTIES	£5.00 = _____ FIVES	£2.90 = _____ FIFTIES, 4 TENS
65 TENS = _____ FIFTIES	£2.20 = _____ FIVES	£1.64 = _____ FIFTIES, 7 TWOS

D

24p + 36p + 50p = £ _____	£1.35 - 60p = £ _____	£2.24 + £3.09 = £ _____
39p + 41p + 22p = £ _____	£2.70 - 85p = £ _____	£4.75 - £2.80 = £ _____
25p + 75p + 9p = £ _____	£4.60 - 99p = £ _____	£1.62 + £1.38 = £ _____
63p + 28p + 12p = £ _____	£2.29 - £0.74 = £ _____	£1.50 - £0.77 = £ _____
82p + 63p + 15p = £ _____	£3.20 - £2.93 = £ _____	£3.87 + £0.45 = £ _____

E Find the cost of

5 kg at 25p per kg	£ _____	1½ l at 28p per l	£ _____	5 m at £1.18 per m	£ _____
3½ kg at 30p per kg	£ _____	3 l at 55p per l	£ _____	75 cm at £1 per m	£ _____
4½ kg at 20p per ½ kg	£ _____	2½ l at 22p per l	£ _____	4½ m at 50p per m	£ _____
2 kg at 50p per 200 g	£ _____	½ l at 60p per 100 ml	£ _____	1½ m at 20p per ½ m	£ _____
6½ kg at 60p per kg	£ _____	750 ml at 26p per ½ l	£ _____	2 m at 30p per 20 cm	£ _____

F Write the times shown on these clocks (a) in 12-hour clock times using a.m. or p.m. (b) in 24-hour clock times.



(a) _____
(b) _____

morning



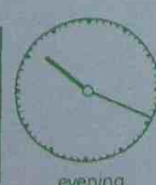
(a) _____
(b) _____

afternoon



(a) _____
(b) _____

morning



(a) _____
(b) _____

evening

CHECK-UP TEST

Measures and Shapes

A	1 cm = <u> </u> mm	0.01 m = <u> </u> cm	0.25 m = <u> </u> mm	$\frac{1}{2}$ m = <u> </u> cm
	0.1 cm = <u> </u> mm	0.25 m = <u> </u> cm	0.75 m = <u> </u> mm	$\frac{1}{2}$ m = <u> </u> cm
	1 m = <u> </u> cm	0.75 m = <u> </u> cm	1 km = <u> </u> m	$\frac{1}{2}$ m = <u> </u> cm
	0.1 m = <u> </u> cm	1 m = <u> </u> mm	0.5 km = <u> </u> m	$\frac{1}{2}$ m = <u> </u> mm
	0.8 m = <u> </u> cm	0.5 m = <u> </u> mm	0.75 km = <u> </u> m	$\frac{1}{2}$ m = <u> </u> mm

B	184 mm = <u> </u> cm <u> </u> mm	390 mm = <u> </u> cm	3258 m = <u> </u> km <u> </u> m
	307 mm = <u> </u> cm <u> </u> mm	412 mm = <u> </u> cm	5106 m = <u> </u> km <u> </u> m
	465 cm = <u> </u> m <u> </u> cm	800 cm = <u> </u> m	8200 m = <u> </u> km
	1000 cm = <u> </u> m <u> </u> cm	330 cm = <u> </u> m	6500 m = <u> </u> km
	340 cm = <u> </u> m <u> </u> cm	785 cm = <u> </u> m	7750 m = <u> </u> km


C	3000 g = <u> </u> kg	5000 ml = <u> </u> l	$\frac{1}{2}$ kg = <u> </u> g
	5280 g = <u> </u> kg <u> </u> g	2884 ml = <u> </u> l <u> </u> ml	$\frac{1}{2}$ kg = <u> </u> g
	8090 g = <u> </u> kg <u> </u> g	6160 ml = <u> </u> l <u> </u> ml	$\frac{1}{2}$ kg = <u> </u> g
	4400 g = <u> </u> kg	7300 ml = <u> </u> l	$\frac{1}{2}$ l = <u> </u> ml
	7250 g = <u> </u> kg	900 ml = <u> </u> l	$\frac{1}{2}$ l = <u> </u> ml

D	240 g + <u> </u> g = $\frac{1}{2}$ kg	$\frac{1}{2}$ l + <u> </u> ml = 592 ml	820 g - 0.7 kg = <u> </u> g
	370 g + <u> </u> g = $\frac{1}{2}$ kg	$\frac{1}{2}$ l + <u> </u> ml = 634 ml	925 ml - 0.8 l = <u> </u> ml
	406 g + <u> </u> g = $\frac{1}{2}$ kg	$\frac{1}{2}$ l + <u> </u> ml = 827 ml	0.6 kg + 60 g = <u> </u> g
	215 g + <u> </u> g = $\frac{1}{2}$ kg	$\frac{1}{2}$ l + <u> </u> ml = 310 ml	0.25 l + 120 ml = <u> </u> ml
	198 g + <u> </u> g = $\frac{1}{2}$ kg	$\frac{1}{2}$ l + <u> </u> ml = 425 ml	0.75 kg + 240 g = <u> </u> g

E Work across the page.
Write to the nearest whole number

19 $\frac{1}{2}$	10 $\frac{1}{2}$	14.4	11.5
nearest hundred	953	1326	2950
nearest £1	£17.09	£4.83	£32.50
nearest cm	7 cm 2 mm	109 mm	39.6 cm
nearest m	8 m 51 cm	730 cm	15.3 m
nearest km	12 $\frac{1}{2}$ km	18 km 900 m	78.5 km
nearest kg	4 kg 300 g	9 kg 550 g	99.25 kg
nearest $\frac{1}{2}$ kg	6 kg 200 g	12 kg 380 g	5 kg 600 g
nearest l	5 l 400 ml	9 l 600 ml	3.7 l

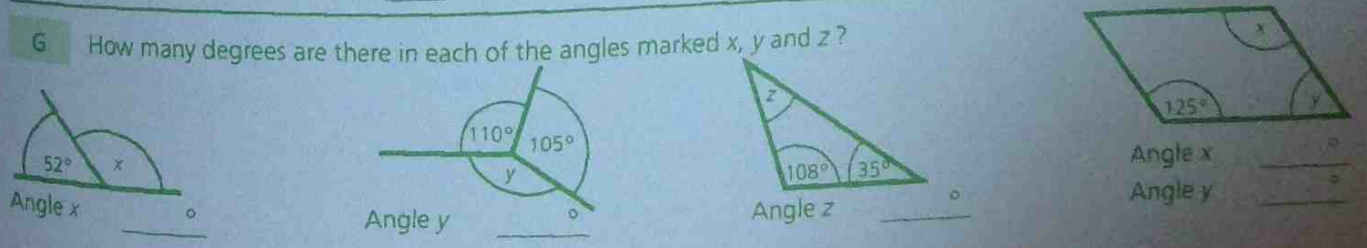
F



Write the letter of the shape which is

a right-angled triangle	a rhombus	an obtuse-angled triangle
a rectangle	a parallelogram	an isosceles triangle

G How many degrees are there in each of the angles marked x, y and z?



Angle x
Angle y
Angle z