Bond

No.1 for exam success

11+ Maths

Multiple-choice Test Papers
Pack 2
Test 1

Read the following carefully:

- Do not begin the test or open the booklet until told to do so.
- Work as quickly and as carefully as you can.
- Answers should be marked in pencil in the answer booklet provided, not in this test booklet.
- You may do rough working on a separate sheet of paper.
- If you make a mistake rub out the mistake and write the new answer clearly.
- Be careful to keep your place in the accompanying answer booklet.
- You will have 50 minutes to complete the test.
- Calculators should not be used.

1   Divide 457.9 by 1000.

     A 4.579   B 457 900   C 0.4579   D 0.04579   E 45 790

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2   Round 285.9 to the nearest ten.

     A 286   B 290   C 285   D 280   E 300

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3   What is the missing angle in this triangle?

     A 90°   B 100°   C 101°   D 109°   E 281°

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4   Tickets were being sold for a Paul McCartney concert. The stadium could hold 25 000 fans. Two hours after the tickets went on sale 18 789 tickets had been sold.

     How many tickets were there still available?

     A 6202   B 6201   C 6211   D 6221   E 6002

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5   Which letter has the same number of lines of symmetry as the letter **X**?

     A **K**   B **R**   C **E**   D **W**   E **H**

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6   What is the value of the digit 6 in the number 8 697 541?

     A thousand   B unit   C hundred thousand   D million   E ten thousand

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7   Which of the following are all multiples of 6?

     A 1, 2, 3   B 6, 36, 67   C 42, 60, 90   D 24, 42, 74   E 1, 6, 36

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8   Aimee's birthday is on Monday 18th February. Forty-four days later it is her dad's birthday. It is a leap year.

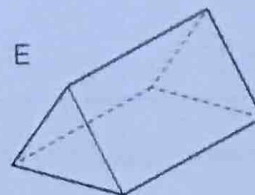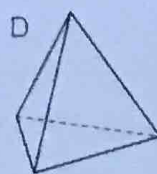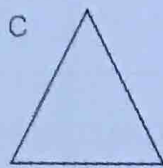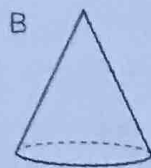   On which day of the week is Aimee's dad's birthday?
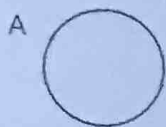
     A Monday   B Tuesday   C Wednesday   D Friday   E Sunday

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9   What is the value of t? $t = 2(4 \times 9) + 8$

     A 72   B 80   C 46   D 26   E 78

Total 9

10 Which shape is the odd one out?

A   B   C   D   E   ◯ 1

11–12 Look carefully at these shapes. They are not drawn to scale.

A 11 cm 16 cm   B 9 cm 17 cm   C 23 cm 6 cm   D 9 cm 22 cm   E 14 cm 15 cm
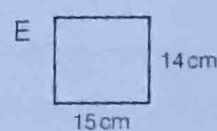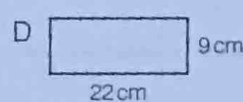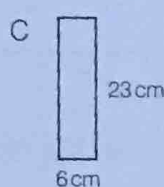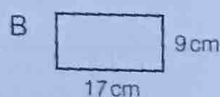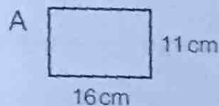
Which shape has the largest area?

Which shape has the shortest perimeter?   ◯ 2

13 Approximately how many pints are there in a 4 litre bottle of juice?

A $4\frac{3}{4}$ pints   B $7\frac{1}{2}$ pints   C $8\frac{3}{4}$ pints   D $6\frac{1}{2}$ pints   E 7 pints   ◯ 1

14 What is the missing number in this sequence?

24, 18, 13, ____, 6, 4

A 11   B 10   C 9   D 8   E 7   ◯ 1

15 What 3-D shape is this the net of?
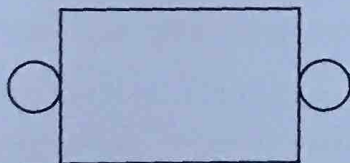
A cube   B cuboid   C pyramid   D cylinder   E sphere   ◯ 1

16 Find the volume of a cube which has a length, width and height of 6 cm.

A 180 cm³   B 18 cm³   C 36 cm³   D 42 cm³   E 216 cm³   ◯ 1

17 Which of the following is a correct representation of the decimal number 3.79?

A $37\frac{9}{10}$ B $3\frac{7}{10}$ C $\frac{379}{100}$ D $30\frac{79}{100}$ E $\frac{379}{1000}$ ◯ 1

18 Which of these is a prime number?

    A 9   B 1   C 20   D 16   E 19

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19 A sports shop is doing a check on the sizes it has in a style of trainer.

6 7 7 5 9 6 5 8 9 5 9 7 8 7 6 6 5 9 9 8 7 9 8

Find the mode.

    A 5   B 6   C 7   D 8   E 9

20–21 Look carefully at the grid.
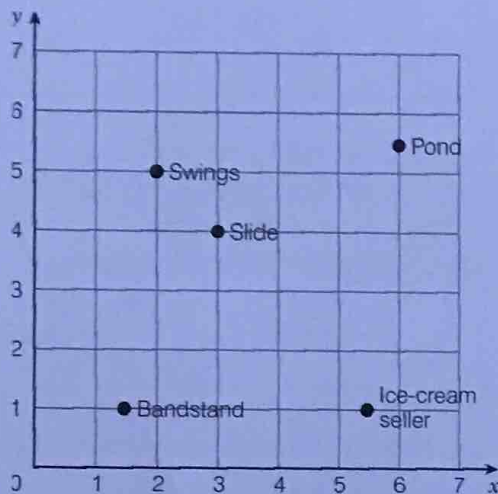
What do you find at the coordinates (5.5, 1)?

A swings
B pond
C bandstand
D slide
E ice-cream seller

The next day the ice-cream seller moved from where he was to a new position in the hope that he would sell more ice-creams. His new position was 2.5 to the left and up 5 from his original position.

What are the new coordinates of the ice-cream seller?

    A (6, 3)   B (3, 6)   C (3, 5)   D (0.5, 3)   E (4, 6)

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22 Which line shows the radius of the circle?

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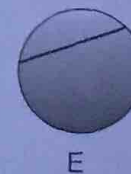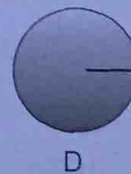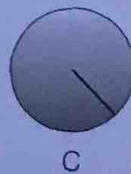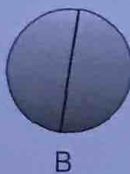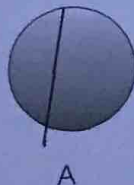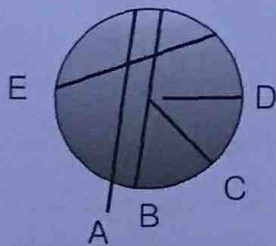
23 Beshar thinks of a number.
He multiplies it by 6, then subtracts 13 from it. The result is 59.
What number did Beshar first think of?

    A 432   B 72   C 12   D 78   E 2

Total
6

24 Find the range of this data.

Height (in cm)	No. of children in Yr 6
132	5
133	7
134	4
135	12
136	11

A 39   B 21   C 16   D 4   E 134   ◯ 1

25–26 An apple farm picked 1116 apples.
These apples were divided into bags with 12 apples in each bag.

How many bags of apples did they fill?

A 90   B 91   C 92   D 93   E 94

The bags of apples are sold during an offer of 'buy two bags, get one free'. Each bag is sold for £3.00. How much does the farm earn for the 1116 apples picked?

A £279   B £372   C £273   D £139.50   E £186   ◯ 2

27 A new water pool was being built for the hippos at Drayfield Wildlife Park. 6.25 tonnes of earth had to be moved. The park truck could move 500 kilograms of earth at a time.

How many times did the truck have to be loaded?

A $12\frac{1}{2}$ B $6\frac{1}{2}$ C 13   D 25   E $6\frac{1}{4}$ ◯ 1

28 13 girls were given 2.86 m of ribbon to wear in their hair during a dance performance. The ribbon was divided equally between the girls.

How much ribbon did they each receive?

A 0.2 m   B 12 cm   C 20 cm   D 0.21 m   E 22 cm   ◯ 1

29 Miss Hope handed a box of 125 pencils to Nazar. She asked him to hand out 50 pencils.

What fraction of the pencils was left in the box?

A $\frac{3}{4}$ B $\frac{1}{5}$ C $\frac{5}{8}$ D $\frac{3}{5}$ E $\frac{3}{8}$ ◯ 1

30 What number lies exactly halfway between 23 and 24?

A 22.5   B 23.3   C 23.5   D 23.9   E 24.3   ◯ 1

Total
7

31 The temperature fell to $-11°C$ during the night. By 9 a.m. it had increased by $5°C$.

What was the temperature at 9 a.m.?

A $-6°C$ B $-16°C$ C $-5°C$ D $0°C$ E $6°C$

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32 Find the missing square number. $4^2 + \boxed{} = 52$

A 2^2 B 6^2 C 4^2 D 3^2 E 5^2

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33 Which of these shapes has only one internal angle that is larger than 90°?

A   B   C   D   E

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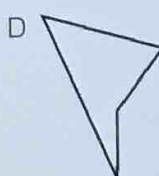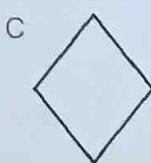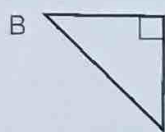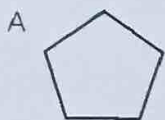
34 Which of the following is the correct answer?
$\frac{1}{6} \div 3 = ?$

A $\frac{1}{2}$ B $\frac{1}{18}$ C $\frac{1}{12}$ D $\frac{3}{6}$ E $\frac{3}{12}$

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35 Read the following statement.

'It is a pyramid with a triangular base and a further three triangular faces.'

Which shape is being described here?

A triangular prism
B tetrahedron
C trapezium
D scalene triangle
E dodecahedron

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36 A group of four friends did a sponsored walk to raise money for a local football team. The distances 5.5 miles, 7.28 miles, 12.1 miles and 4.95 miles were walked. How many miles were walked in total?
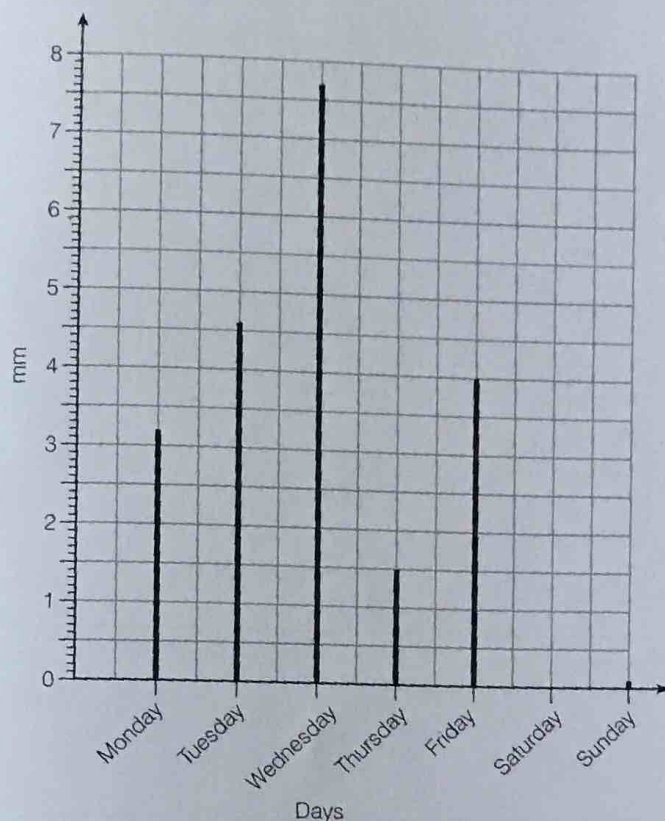
A 29.83 miles   B 29.74 miles   C 29.29 miles   D 29.88 miles   E 29.73 miles

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37 Find the answer to $72 \div 5$.

A 15.4   B 14.2   C $14\frac{2}{5}$ D $15\frac{1}{5}$ E $14\frac{2}{10}$

Total
7

38–40 Look carefully at this bar line chart and then answer the questions.

Days

We usually expect to receive about 2.3 mm of rain per day in April.
Which day was closest to the average?

A Monday   B Wednesday   C Thursday   D Saturday   E Sunday

How would you best describe the rainfall for this week in April?

A average
B well below average
C impossible to say
D below average
E above average

Find the average rainfall of the 7 days during this particular week. How many days were wetter than the average for this week?

A 1   B 2   C 3   D 4   E 5   ⟲ 3

41   Which of these number sentences equals 2.1?

A 1.1 × 2   B 3.5 − 2.4   C 0.5 + 1.7   D 6.3 ÷ 3   E 7.9 − 5.7   ⟲ 1

42   There are 33 children in total in Hussain's class. His mum has just had a baby. He asked the class to guess the name of the baby from two options. $\frac{5}{8}$ of his classmates guessed the correct name.
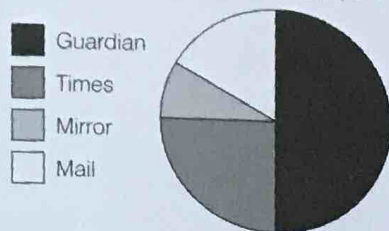
How many children guessed correctly?

A 20   B 5   C 16   D 21   E 24   ⟲ 1

43–45 Look carefully at the pie chart and then answer the questions.

Newspapers delivered on Siobhan's early morning round – 120 newspapers

- ■ Guardian
- ▨ Times
- ▨ Mirror
- □ Mail

How many *Times* newspapers are delivered by Siobhan?

A 60   B 45   C 30   D 20   E 15

How many *Mirror* newspapers are delivered by Siobhan?

A 10   B 15   C 20   D 30   E 45

What fraction of the customers read the *Mail*?

A $\frac{1}{4}$ B $\frac{4}{12}$ C $\frac{1}{12}$ D $\frac{1}{6}$ E $\frac{1}{5}$

○ 3

46 A school bought 18 laptop computers. Each computer cost £368.00. What was the total bill?

A £6644   B £6624   C £6642   D £6664   E £6426

○ 1

47–48 A survey on favourite holiday activities was carried out on 2400 children. 25% chose water-related activities and 50% of these chose swimming.

How many children chose water-related activities?

A 1200   B 1000   C 800   D 600   E 400

What percentage of the overall number of children surveyed chose swimming?

A 50%   B 37.5%   C 25%   D 12.5%   E 6.25%

○ 2

49 Leah was given a portable DVD player. Its batteries lasted for 5 hours. She used the DVD player for the following units of time:
112 minutes
23 minutes
125 minutes
5 minutes
How many minutes of play time did she have left on her DVD player?

A 0 minutes   B 35 minutes   C 40 minutes   D 45 minutes   E 37 minutes

○ 1

50 A Manchester United fan decided that every time his team scored a goal he would run a mile the following day. Every time the opposition team scored a goal, he would take half a mile off the run.

After 4 weeks he had run 8 miles in total. The opposition had scored 12 goals. How many goals had Manchester United scored in this time?

A 20 goals   B 4 goals   C 14 goals   D 8 goals   E 12 goals

○ 1

Total
○ 8

Total
○ 50