Circle the correct answer for each question.

1 What number should go in the box?

(2)

- (a) 14
- (b) 84
- (c) 12
- (d) 7
- (e) 16
- 2 Philippa has a party with 11 friends. They share 2 birthday cakes equally among themselves. What fraction of the birthday cakes does each person receive?

(2)

- (d)  $\frac{11}{12}$

3 Which of these statements is correct?

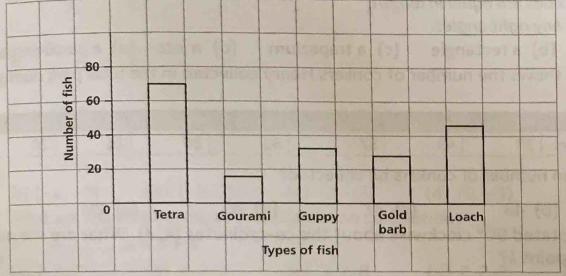
(1)

- (a)  $9.6 > 9\frac{3}{5}$
- (b)  $9.6 < 9\frac{1}{2}$

- (c)  $9.6 = 9\frac{1}{2}$  (d)  $9.6 = 9\frac{3}{5}$  (e)  $9.6 < 9\frac{2}{5}$
- 4 The profit made by Flying Engines Plc was four hundred and eighteen thousand and fifty-eight pounds. What is the amount in figures?

(1)

- (a) £418 508
- (b) £418058
- (c) £408 508
- (d) £400 188
- (e) £136418
- 5 A local pet shop sells tropical fish. A group of students counted the fish and plotted a bar chart to show the results.



How many more tetras are there than gold barbs?

(2)

- (a) 40
- (b) 35
- (c) 30
- (d) 45
- (e) 25
- 6 The analogue clock shows the time in the afternoon. What is the equivalent digital time?

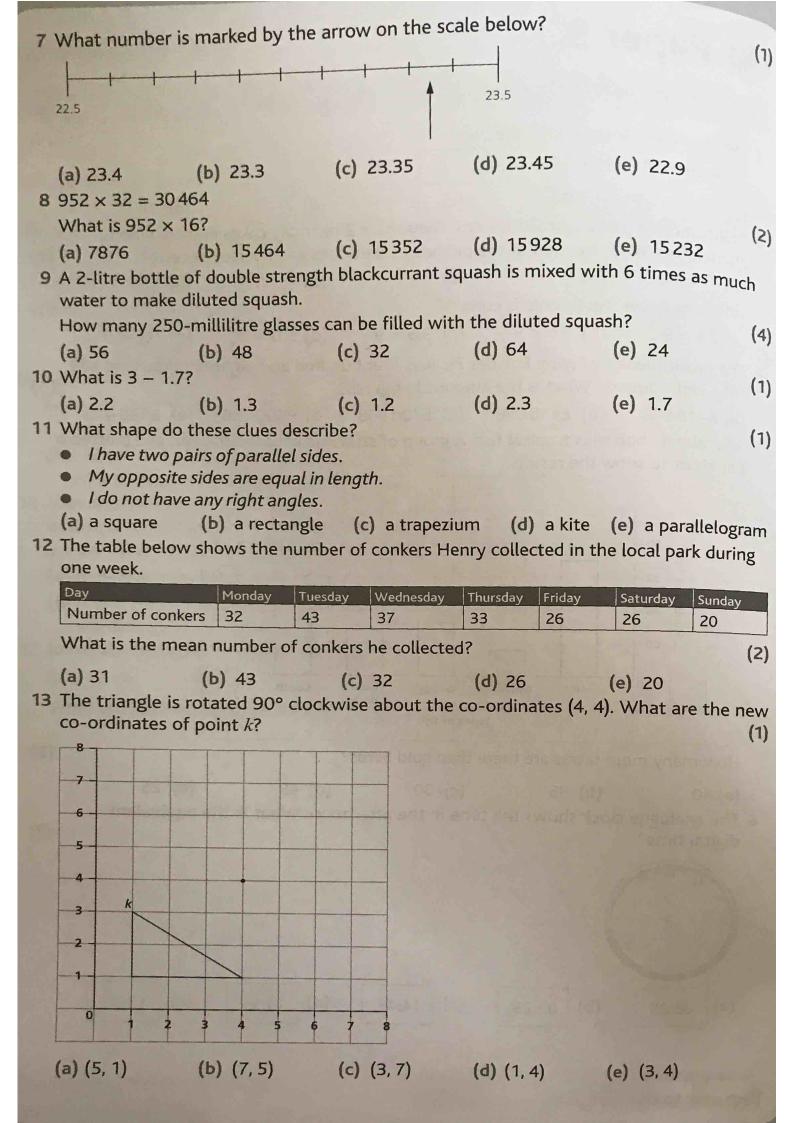
(1)

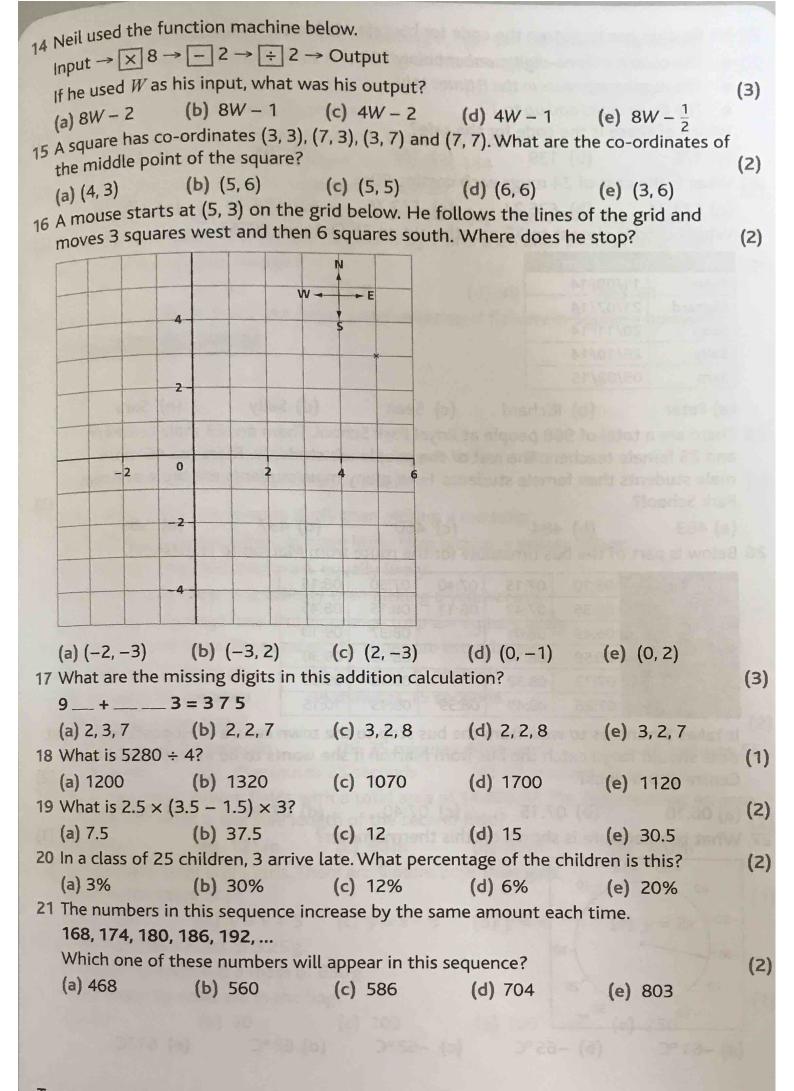


- - 03:25
- (b)
- 02:25
- (c)

- 14:35
- (e)

15:35





22	Mr Panther has forgotten the code for his safe. He knows that:										
-	The code is a three-digit number below										
	The number appears in the 8 times table.  The number appears in the 8 times table.										
	• The three digits add up to 13										
	Which of these is the code for the safe:									(3)	
	(a) 175 (b) 139 (c) 168										
23	23 What is the cost of 24 mugs each costing 99p?										
	(1) col ol (1) coc ol										
24	(a) £24.24 (b) £36.24 (c) 24.24 (d) 24.24 (e)									(2)	
	Child Date of birth										
	Peter 11/08/14										
	Richard 21/07/14										
	Sean 20/11/14										
	Sally 26/10/14 Sara 05/02/15										
	Sara			(-)	Soon	(d) S	ally	(e)	Sara		
25	(a) Peter	(b) R total of 96	lichard	(c)	Sean L Dark Sc						
25	There are a	nale teacher	s people	e at Roya	neople	are stude	nts. There	are 4	6 more		
	male stude	ents than fer	male stu	idents. H	ow man	y male st	udents are	there	e at Royal		
	Park Schoo									(5)	
	(a) 483	(b) 4	84	(c) 4	460	(d) 4	37	(e)	506	(-)	
26	Below is pa	art of the bu		able for t	he route	from Ma	arton to Ho	pesfi	ield.		
	Marton	06:10	07:15	07:40	07:50	08:15					
	Rickington	06:35	07:43	08:11	08:15	08:45					
	Barton	06:49	08:01	-	08:37	09:10					
	Brilliton	06:58	08:14	-	08:55	09:30	BAT IS				
	Chapplesmith	07:13	08:32		09:16	09:55	14 E S S S S S S S S S S S S S S S S S S				
	Hopesfield	07:26	08:49	08:59	09:35	10:15	SIE		-		
		ninutes to v									
		d Tanya cato	the bu	us from N	Marton if	f she wan	its to be in	Hope	esfield Town	1	
	Centre at 9	o'clock?								(2)	
	(a) 06:10	(b) 0	7:15	(c) (	7:40	(d) 0	7:50	(e)	08:15		
27	What tem	perature is:	shown c	on this th	nermom	eter?				(1)	
	-30	,	11 3 10								
	-40	-10	1 30								
	-50	40	SP SP CF								
	-60-	- 11	0								
	-70	120	1531								
	-80	30	1 1940								
		°C									
	(a) -61°C	(b) -	-65°C	(c) -	-62°C	(d) 6	2°C	(e)	61°C		

28	If I quadruple a number $(n)$ and then take away 7, I get the same result as adding 23 to the same number $(n)$ . What is my original number $(n)$ ?										
		(	b) 7		(c)	16				(3)	
	(a) 5	two dif	ferent n	umber c	ardo		(d) 10	(e)	30		
29	Albert has two different number cards.  (a) 10 (e) 30										
	when he adds the numbers on the cards, the result is 26										
	When he multiplies the two numbers, the result is 144										
	What are the two numbers on the number cards?									(2)	
	(a) 13 and 13 (b) 12 and 14 (c) 16 and 10 (d) 17 and 11 (e) 18 and 8									-1	
30	When Lennox thinks of a number, divides it by 7 and then adds 24, his result is 30 What was his original number?										
	What was	his orig	inal nun	nber?						(3)	
	(a) 54		b) 42		(c)	8	(d) 49	(e)	61	(-)	
21	The two-W	ay table	e shows	the cold	ours	and varieties	of flowers in S	onhia'	s houquet		
31		Roses	Tulips					Ортпа	J Douquet.		
	Red	9	10								
	Yellow	6	7								
	Orange	7	5								
			(1)4 A 14 A	serie fem							
						wer to give t	o her mum.				
	Which of t	the follo	wing sta	atement	s is	true?				(1)	
	(a) Picking	a red re	ose is m	ore likel	v th	an picking a	red tulin				
	(h) Picking	an orai	nge flow	er is mo	re li	kely than sie	cking a yellow fl				
	(c) Picking						king a yellow fi	ower.			
							0.1				
						n picking a ye					
	(e) Picking an orange rose and an orange tulip are equally likely.										
32	Mohammed ran four 10 km races. His times are listed below.										
		36 minutes 30 seconds 34 minutes 10 seconds									
	38 minutes 45 seconds 34 minutes 15 seconds										
	What is his									(2)	
	(a) 36 min	utes 25	second	S	(b)	35 minutes	40 seconds	(c)	35 minutes	55	
	second	s (	d) 35 m	ninutes 2	25 s	econds	(e) 37 minute	s 40 se	econds		
33	Jenny own	s two so	quare fie	elds with	n a t	otal area of	14500 m². The f	irst fie	ld has an ar	rea	
	of 6400 m	2. What	is the si	de lengt	h of	the second	field?			(2)	
	(a) 41 m	(	b) 121 r	n	(c)	90 m	(d) 65 m	(e)	120 m		
34	A class has $x$ boys and $y$ girls. There are 5 more boys than girls.										
	What is th	e value	of y?							(1)	
	(a) $y = 5x$	(	b) $y = x$	+ 5	(c)	y = x - 5	(d) $y = x$	(e)	y = 2x		
								1-7	J		
	A bag of 5p coins has a mass of 650 g.										
	How many									(1)	
	(a) 20		b) 50	3		100	(d) 200	(0)	250	(1)	
					(-)		(0) 200	(6)	230		

36 Harry made the shape shown from sticks. He wants to fill each face of the shape with cardboard. How many of each cardboard shape does Harry need? (1) (a) 4 squares and 8 triangles (d) 5 squares and 5 triangles (b) 4 squares and 4 triangles (e) 5 squares and 8 triangles (c) 4 squares and 6 triangles 37 Paula enjoys running. For every 5 half-marathons that she runs, she runs 3 marathons. How many half marathons has she run when she has run 15 marathons? (3)(a) 15 (b) 12 (c) 20 (d) 25 (e) 9 38 What is  $78 \times 386 + 386 \times 22$ ? (2)(a) 8492 (b) 30 108 (c) 38600 (d) 77200 (e) 98468

39 What is  $6 \times 4 - 5 \times 3$ ?

(a) 57

(b) 9

(c) 39

(d) 66

(e) -18

40 Mr Thrower's allotment is 12 metres long. He digs 4 sections, each g m long. What length of the allotment does he have he left to dig?

(a) 12 - g

(b) 12g

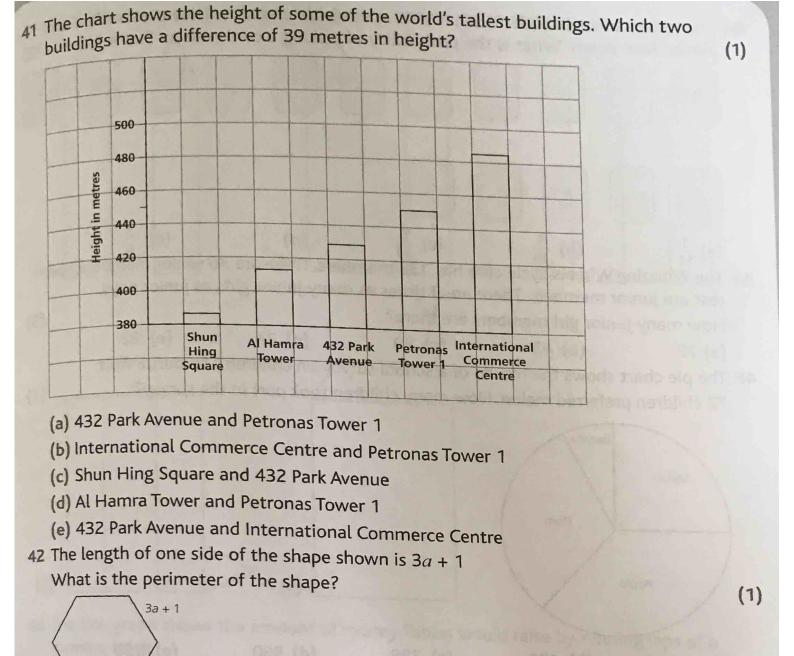
(c) 12 -4

(d) q - 12

(e) 12 - 4g

(3)

(1)



(c) 9a + 6

(c) 21.5

43 The numbers of emails received by a small business each day over a two-week period

(d) 18a + 1

(d) 22.5

(e) 18a + 6

(e) 35

(1)

are listed below.

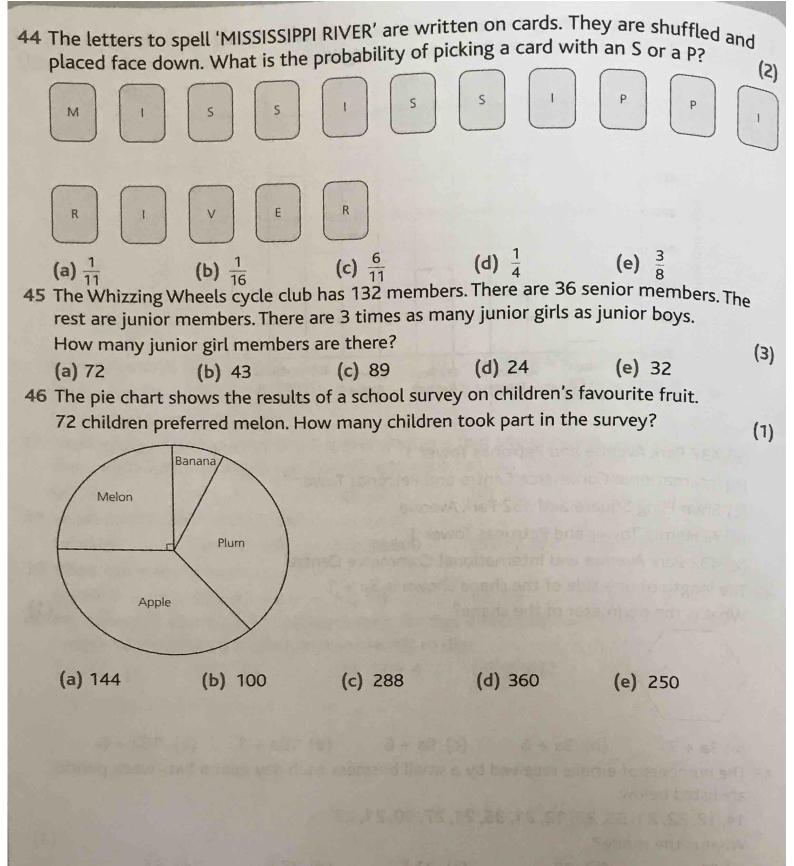
(a) 21

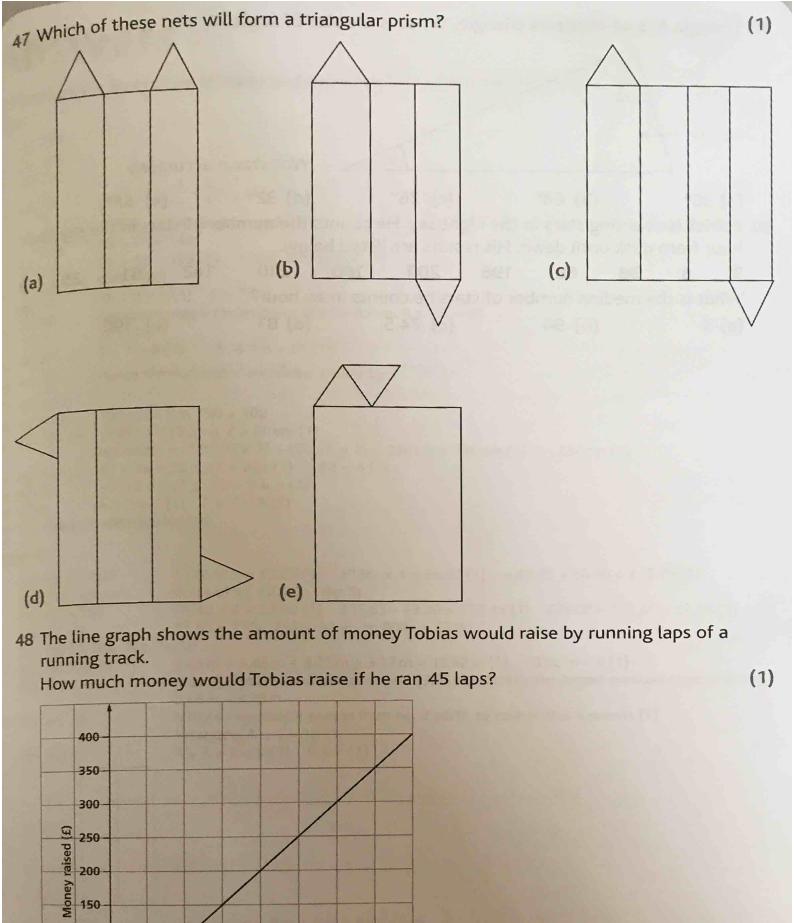
What is the mode?

(b) 3a + 6

(b) 23

14, 12, 22, 21, 33, 23, 12, 21, 35, 21, 27, 30, 21, 23





(e) £125

(d) £225

Turn over to the next page

10

20 30 40 50 60 Laps of the track run

(b) £90

(c) £200

100

50

(a) £45

49 Triangle A is an isosceles triangle. What is the size of angle x? (4) Triangle A -Not drawn accurately (d) 32° (c) 26° (e) 52° (a) 30° (b) 64° 50 Patrick is counting stars in the night sky. He counts the number of stars in the sky each hour from dusk until dawn. His results are listed below. 210 142 180 200 81 3 8 38 68 196 25 3 What is the median number of stars he counts in an hour? (2) (d) 81 (e) 190 (a) 3 (c) 74.5 (b) 96