

Cambridge Assessment International Education Primary Checkpoint Mathematics Past Papers

**0862 – Marking Scheme
2023 - Now**



Cambridge Primary Checkpoint

MATHEMATICS

0096/01

Paper 1

April 2023

MARK SCHEME

Maximum Mark: 40

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Markers were instructed to award marks. It does not indicate the details of the discussions that took place at a Markers' meeting before marking began, which would have considered the acceptability of alternative answers.

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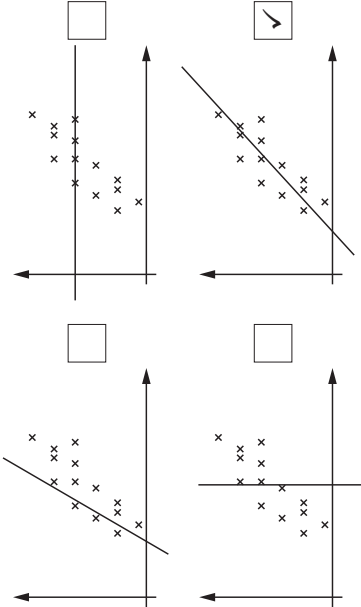
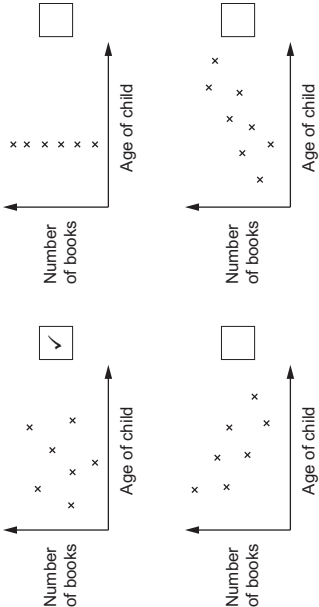
This document has **12** pages. Any blank pages are indicated.

Mark scheme annotations and abbreviations

M1	method mark
A1	accuracy mark
B1	independent mark
FT	follow through after error
dep	dependent
oe	or equivalent
cao	correct answer only
isw	ignore subsequent working
soi	seen or implied

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Question	Answer	Marks	Part Marks	Guidance
1(a)	815	1		
1(b)	43	1		
2	10 (cm)	1		
3	150 (minutes)	1		
4	$1\frac{1}{6}$	1		Accept equivalent answers. Accept 0.17 or better.
5	240(°)	1		Accept answers between 238 and 242(°).
6(a)	21	1		Accept any clear indication.
6(b)	2	1		Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance
7(a)		1		Accept any clear indication.
7(b)		1		Accept any clear indication.
8	–35	1		Do not accept 35–
9(a)	12	1		Do not accept improper fractions except $\frac{12}{1}$
9(b)	36	1		Do not accept improper fractions except $\frac{36}{1}$

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Question	Answer	Marks	Part Marks	Guidance
10(a)	154.773	1		
10(b)	13.212	1		
11	$6.2 \div \boxed{10} \div \boxed{10} = 6.2 \times 10 \div \boxed{1000}$	1		
12		2	Award 1 mark for three or four correct lines.	

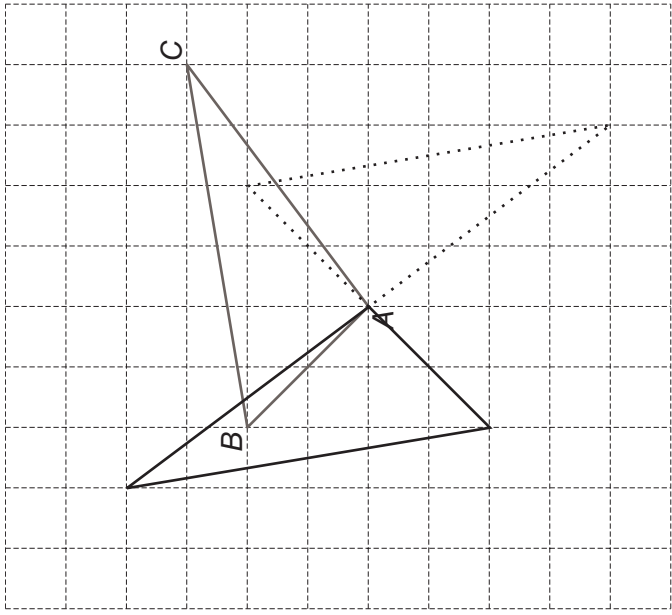
Question	Answer	Marks	Part Marks	Guidance
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13		1	Award the mark for the correct square shaded.																		
14	<table><tr><td>A</td><td>B</td><td></td></tr><tr><td>17</td><td>3</td><td>☒</td></tr><tr><td>14</td><td>12</td><td>☐</td></tr><tr><td>24</td><td>−4</td><td>☐</td></tr><tr><td>11</td><td>9</td><td>☒</td></tr><tr><td>8</td><td>12</td><td>☐</td></tr></table>	A	B		17	3	☒	14	12	☐	24	−4	☐	11	9	☒	8	12	☐	2	Award 1 mark for one line correct and no others indicated or two lines correct and one incorrect.
A	B																				
17	3	☒																			
14	12	☐																			
24	−4	☐																			
11	9	☒																			
8	12	☐																			
15	<table><tr><td>12 × 700</td><td>123 × 70</td><td>1234 × 7</td></tr></table>	12 × 700	123 × 70	1234 × 7	1	Accept 8400 8610 8638 The products, if written on the answer line, must be correct.															
12 × 700	123 × 70	1234 × 7																			

Question	Answer	Marks	Part Marks	Guidance
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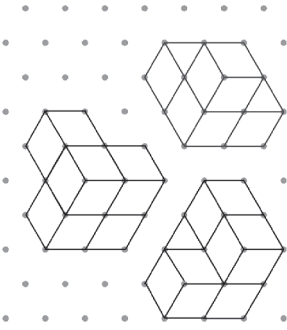
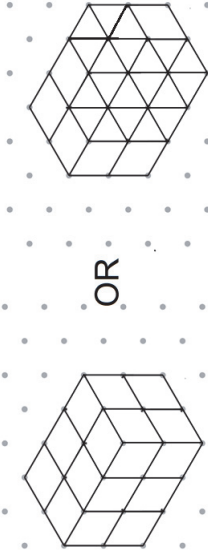
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16	(2, 1) (7, 2) (2, 2) (8, 2) (2, 6)	1		All three required for the mark. Accept any clear indication.
17	17	1		
18		2	Award 1 mark for 90 degree rotation in wrong direction shown by dotted line. or for rotation anticlockwise with A corresponding to A' and one of the vertices B' or C' correct and the three points joined to form a triangle.	Accept slight inaccuracies as long as the intention is clear.

Question	Answer	Marks	Part Marks	Guidance
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19	32.783	1		Allow $32\frac{783}{1000}$ or equivalent.
20	2 identical scalene triangles ☒ 2 identical equilateral triangles ☐ 2 different isosceles triangles ☒ 2 different equilateral triangles ☐	1		Award 1 mark for both correct and no incorrect responses. Accept any clear indication.
21	Any data that changes over time e.g. Ice cream sales on different days in July or Temperature at different times of the day or Any data that changes over a different continuum, e.g. temperature	1		Their example must include changes over time or changes over the continuum they use. e.g. Do not accept ice cream sales without mention of the time. Allow any inference of a variable plotted against time or temperature etc.
22	3 . a b with $a = 0, 1, 2, 3, 4$ and $b = 5, 6, 7, 8, 9$	1		Both boxes must contain a digit.
Question	Answer	Marks	Part Marks	Guidance

23	-0.2		2	Award 1 mark for sight of 0.3 as the difference between the terms or $1.2 \div 4 = \text{wrong answer}$ or At least three of the missing terms from 1.9 (1.6) 1.3, 1, 0.7, (0.4), 0.1	Do not accept 0.2–
24(a)	12		1		
24(b)	impossible certain	unlikely	even chance	likely	Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance
25	The correct shape in any orientation. e.g.  or Completing the required cuboid (possibly in the original drawing) i.e.  OR 	2	Award 1 mark for any shape with 5 cubes that is drawn correctly using isometric paper.	Accept slight inaccuracies if the intention is clear.
26	Any four even numbers with a digit sum that is a multiple of 3	1		

Question	Answer	Marks	Part Marks	Guidance
27(a)	2, 5 and 23 or 2, 11 and 17 in any order	1		
27(b)	2 and an explanation that there are not 3 even prime numbers so it must be two odd numbers and one even number. e.g. 2 is the only even prime number but if I use 3 other primes then the answer is odd. or any explanation that alludes to needing an even number when adding three prime numbers with a total of 30 ($O + O + E = E$). 2 is the only even prime so it has to be included or 2 and an explanation that 2, 5 and 23 and 2, 11 and 17 are the only possible answers and 2 is in both.	1		If explaining that 2 is in both possible answers then 2, 5, 23 and 2, 11, 17 must be seen. They may be listed in part (a) or (b)
28	8 6 7 - 1 3 5 = largest even answer	1		Allow 887 - 111

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MATHEMATICS

0096/02

Paper 2

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MARK SCHEME

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A1	accuracy mark
B1	independent mark
FT	follow through after error
dep	dependent
oe	or equivalent
cao	correct answer only
isw	ignore subsequent working
soi	seen or implied

Question	Answer	Marks	Part Marks	Guidance														
1	4.03 4.07 4.36 4.63 4.70	1		Correct order only.														
2	82(°)	1																
3	$\left(\frac{3}{10}\right)$ $\left(\frac{6}{100}\right)$ $\frac{7}{10}$ $\frac{60}{100}$ $\left(\frac{40}{100}\right)$	1		Accept any clear indication.														
4	rhombus	1		Accept recognisable misspellings. No other shape accepted.														
5	<table><thead><tr><th>Position</th><th>Term</th></tr></thead><tbody><tr><td>1</td><td>7</td></tr><tr><td>2</td><td>14</td></tr><tr><td>3</td><td>21</td></tr><tr><td>10</td><td>70</td></tr><tr><td>15</td><td>105</td></tr><tr><td>50</td><td>350</td></tr></tbody></table>	Position	Term	1	7	2	14	3	21	10	70	15	105	50	350	2	Award 1 mark for two correct answers.	
Position	Term																	
1	7																	
2	14																	
3	21																	
10	70																	
15	105																	
50	350																	
6	34	1																

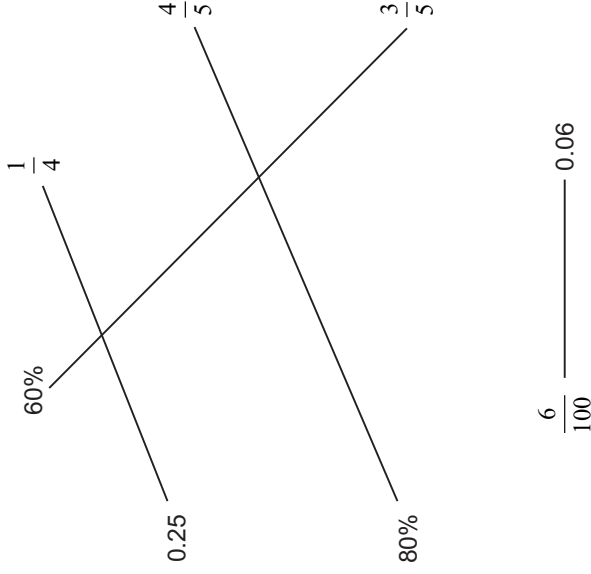
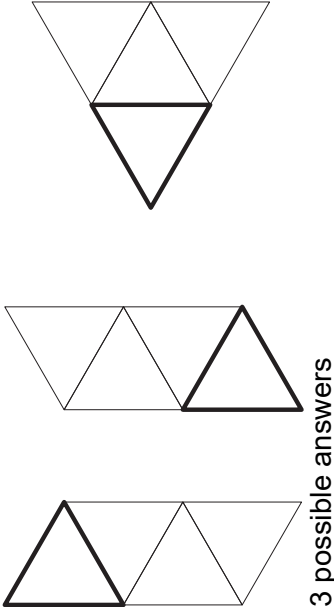
Question	Answer	Marks	Part Marks	Guidance																					
7(a)	19	1																							
7(b)	<table><thead><tr><th>Girls' Scores</th><th>Tally</th><th>Frequency</th></tr></thead><tbody><tr><td>1 – 5</td><td>/</td><td>1</td></tr><tr><td>6 – 10</td><td>/</td><td>1</td></tr><tr><td>11 – 15</td><td>/</td><td>1</td></tr><tr><td>16 – 20</td><td> </td><td>6</td></tr><tr><td>21 – 25</td><td> </td><td>7</td></tr><tr><td>26 – 30</td><td>//</td><td>2</td></tr></tbody></table>	Girls' Scores	Tally	Frequency	1 – 5	/	1	6 – 10	/	1	11 – 15	/	1	16 – 20		6	21 – 25		7	26 – 30	//	2	1		Do not accept answers without tally marks or tally marks incorrectly displayed.
Girls' Scores	Tally	Frequency																							
1 – 5	/	1																							
6 – 10	/	1																							
11 – 15	/	1																							
16 – 20		6																							
21 – 25		7																							
26 – 30	//	2																							
8	$\frac{1}{5}$ $4\frac{2}{5}$ or $\frac{22}{5}$	2	Award 1 mark for each correct answer.																						
9	A correctly drawn circle of diameter 7 cm	1		Accept slight inaccuracies provided the drawing was made using a pair of compasses. Accept $6.5\text{ cm} \leq \text{diameter} \leq 7.5\text{ cm}$.																					

Question	Answer	Marks	Part Marks	Guidance
10	An explanation stating that he should do the division first. e.g. He should do the $20 \div 5$ first (and get $35 - 4$ which equals 31) or a correct calculation or recognising that to get the answer of 3 they need to include brackets i.e. $(35 - 20) \div 5$ or an explanation that states they have written 3 and not 31 in the answer e.g. They have missed the 1 in the answer or A reference to the fact that they have not used BODMAS (or equivalent).	1		Accept 31 without an explanation. 31 is not essential. If any arithmetic is shown, it MUST be correct.
11	5	1		Allow reasonable phonetic inaccuracies for BODMAS If working is shown it must be correct to calculate the median e.g. $(4 + 6) / 2$ NOT e.g. $(7 + 3) / 2 = 5$ or $7 - 2 = 5$
12	20(%)	1		

Question	Answer	Marks	Part Marks	Guidance
13(a)		1		Point A correctly plotted. Allow any unlabelled point at A provided that no other point is labelled A or no ambiguous points are plotted e.g. (2,-3)
13(b)	(1, -2)	1		

Question	Answer	Marks	Part Marks	Guidance
14	$5 \div 4$ $1 \frac{1}{2}$ $8 \div 5$ $1 \frac{1}{4}$ $4 \div 8$ $4 \frac{4}{5}$ $8 \div 4$ $1 \frac{1}{5}$ $8 \div 5$ $1 \frac{1}{2}$	2	Award 1 mark for two correct lines.	

Question	Answer	Marks	Part Marks	Guidance
15	An explanation that the necklace does not use complete patterns. e.g. He will have 2 extra white beads or the pattern is made up of 4 beads and 30 does not divide by 4 or the ratio is 23 : 7 (white to black beads). or they would need 32 beads or 28 beads in total, for it to be 3 : 1	1		Do not accept explanations with errors. e.g. He will have 2 extra black beads. Allow 22:8 for answers that have extended the pattern to the left.
16(a)	2 sections shaded	1		
16(b)	7 (out of) 12 (chance)	1		Accept equivalent proportions.

Question	Answer	Marks	Part Marks	Guidance
17	 60% $\frac{1}{4}$ 0.25 $\frac{4}{5}$ 80% $\frac{3}{5}$ $\frac{6}{100}$ _____ 0.06	2	Award 1 mark for two or three correct lines.	
18	 3 possible answers	1		Accept slight inaccuracies if the intention is to draw a correct equilateral triangle.

Question	Answer			Marks	Part Marks	Guidance
19	Perimeter (cm)	Rectangular frame	Square frame	2	Award 1 mark for two or three rows correct.	Accept any clear indication.
	50	☒	☐			
	36	☒	☒			
	45	☐	☐			
	28	☒	☒	1		Accept an explanation that the shape has been rotated or that it has been translated and rotated.
20	An explanation recognising that a translation will produce an identical shape with the same orientation. e.g. If he did a translation, then the rectangle would have moved but not have been rotated or B has turned or B is not facing in the same direction.					

Question	Answer	Marks	Part Marks	Guidance
21(a)	The range of marks is greater for the girls More boys than girls scored from 11 to 20 The highest mark was scored by a girl The lowest mark was scored by a girl	2	Award 1 mark for three correct sentences.	Accept girl for girls etc.
21(b)	The data is shown in different formats making it harder to compare the results or the frequency scale on the bar chart has each square representing half a person or a suggestion that a larger sample size would produce better results if comparing or a suggestion that a similar number of boys and girls would be needed if comparing.	1		Do not accept response suggesting 'We do not have accurate or complete data'. Do not accept an explanation saying that class six has more girls than boys if there is no reference to making a comparison.
22	112 (cm ²)	2	Award 1 mark for sight of $20 \div 2 = 10$ or correct method with arithmetic error. e.g. $20 \div 2 = \text{error}$ $2((\text{error} \times 3) + (3 \times 2) + (\text{error} \times 2))$	Allow 1 mark if the length of the cuboid is shown as 10(cm) either on the diagram or stated in their working.

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Question	Answer	Marks	Part Marks	Guidance
23(a)	An explanation recognising that the answer must be less than 1 without showing the addition $\frac{2}{3} + \frac{1}{4} = \frac{11}{12}$ e.g. $\frac{1}{4}$ is less than $\frac{1}{3}$ so the answer cannot be more than 1 or a correct subtraction showing answer incorrect. e.g. $1\frac{1}{12} - \frac{2}{3}$ does not equal $\frac{1}{4}$ or I think the numerator shouldn't be 13, it should be less.	1		Do not accept a numerical answer only, e.g. $\frac{11}{12}$ Accept: the addition of the two fractions is less than 1 or $1\frac{1}{12}$
23(b)	An explanation that recognises that the answer will be a number of fortieths or equivalent e.g. She will need to change them both to fortieths, (which will never simplify to elevenths). or it is not correct to add the denominators of two fractions to get the denominator of their sum or a reference that the denominator of 11 is not the LCM of 5 and 6 or a correct subtraction to show the answer is not correct. e.g. $\frac{7}{11} - \frac{2}{5}$ does not equal $\frac{1}{6}$	1		Do not accept a numerical answer only e.g. $\frac{17}{30}$

Question	Answer	Marks	Part Marks	Guidance
24	(\$) 16	2	Award 1 mark for 1 orange costs \$2 or 2 oranges cost \$4	Allow 1 mark if calculation $12 \div 6 = 2$ is seen (without “orange”) Allow 1 mark if calculation $12 \div 3 = 4$ is seen (without “orange”)
25	83	1		
26	40.5 (cm ²)	2	Award 1 mark for a complete correct method with arithmetical errors e.g. $\left(\frac{1}{2} \times 9 \times 9\right) = \text{wrong answer.}$	Allow $40 \frac{1}{2}$ (cm ²)

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SC	special case mark
cao	correct answer only
dep	dependent
isw	ignore subsequent working
nfww	not from wrong working
oe	or equivalent
soi	seen or implied

Question	Answer	Marks	Part Marks	Guidance
1	3	1		Do not accept 3.0 or 3.00
2	20	1		
3	$\frac{3}{5}$ cao	1		
4	C and E	1		Both answers correct in either order for the mark. Do not accept incorrect letters. Accept (4, 3) and (5, 3).
5	-21 -11	1		Both answers in the correct order for the mark. Do not accept 21– or 11–
6	An angle of 135° drawn.	1		Accept 133 – 137° inclusive.
7	3, 7, 13 or 5, 7, 11	1		All three numbers correct in any order for the mark.
8	(-1, 5)	1		Do not accept (1–, 5).
9	$7 + 50 \times 6$ and $100 \times 3 + 7$	1		Both answers correct for the mark. Accept any clear indication.
10	17.2×4	1		Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance															
11	54 (cm ²)	1																	
12	100° and 45° and 35°	1		All three answers correct for the mark. Accept any clear indication.															
13(a)	36 (cm)	1																	
13(b)	d = s + s + s + s	1		Accept any clear indication.															
14	354 (÷) 6	1		All four digits in the correct order for the mark.															
15(a)	C A B	1		All three letters in the correct order for the mark.															
15(b)	<table><tr><th>Event 1</th><th>Event 2</th><th>Mutually exclusive</th></tr><tr><td>Pierre picks a white shape</td><td>Pierre picks a grey shape</td><td>✓</td></tr><tr><td>Pierre picks a triangle</td><td>Pierre picks a grey shape</td><td></td></tr><tr><td>Pierre picks a circle</td><td>Pierre picks a triangle</td><td>✓</td></tr><tr><td>Pierre picks a square</td><td>Pierre picks a white shape</td><td></td></tr></table>	Event 1	Event 2	Mutually exclusive	Pierre picks a white shape	Pierre picks a grey shape	✓	Pierre picks a triangle	Pierre picks a grey shape		Pierre picks a circle	Pierre picks a triangle	✓	Pierre picks a square	Pierre picks a white shape		1		Both ticks correct and none incorrect for the mark. Accept any clear indication.
Event 1	Event 2	Mutually exclusive																	
Pierre picks a white shape	Pierre picks a grey shape	✓																	
Pierre picks a triangle	Pierre picks a grey shape																		
Pierre picks a circle	Pierre picks a triangle	✓																	
Pierre picks a square	Pierre picks a white shape																		

Question	Answer	Marks	Part Marks	Guidance																
16(a)	Baby Gabriella <table><caption>Data points for Baby Gabriella's length</caption><tr><th>Age (months)</th><th>Length (cm)</th></tr><tr><td>0</td><td>50</td></tr><tr><td>2</td><td>58</td></tr><tr><td>4</td><td>64</td></tr><tr><td>6</td><td>68</td></tr><tr><td>8</td><td>70</td></tr><tr><td>10</td><td>74</td></tr><tr><td>12</td><td>78</td></tr></table>	Age (months)	Length (cm)	0	50	2	58	4	64	6	68	8	70	10	74	12	78	1		Do not accept a correct point without a correct line completing the graph. Correct point implied by line drawn to (12, 78). Tolerance of ± 2 mm to correct point in any direction.
Age (months)	Length (cm)																			
0	50																			
2	58																			
4	64																			
6	68																			
8	70																			
10	74																			
12	78																			
16(b)	0–2 months	1		Accept any clear indication.																

Question	Answer	Marks	Part Marks	Guidance
17	No ticked and An explanation showing that 50 squares should be shaded but fewer have been shaded, e.g. He has not shaded enough and there should be 50 and he has only done 40 or 40 shaded and 60 white. or 40 out of 100 squares are shaded. or 10 more shaded squares are needed.	1		Accept answers showing he has not shaded enough squares, e.g. Less than 50% of the squares are shaded. 50 squares may be expressed as, e.g. 50%, $\frac{1}{2}$, half, $\frac{50}{100}$, 0.5 oe Stating that $\frac{1}{2}$ (or 50%) is not shaded without quantifying greater or less is not sufficient. Accept equivalent answers which refer to the component parts. All numbers used must be correct.
18	1[.00], 0.98	1		Accept any equivalent answer.

Question	Answer	Marks	Part Marks	Guidance								
19	6	2	Award 1 mark for sight of any two from • $56 \div 8$ • $1500 \div 250$ or $1.5 \div 0.25$ • $20 \div 2$ or • $8 \times 7 = 56$ • $250 \times 6 = 1500$ • $10 \times 2 = 20$	1 mark implied by sight of any two from • 7 • 6 • 10 nfw								
20	$5 \times (7 - 2)$	1										
21	1200 (ml) 600 (ml)	2	Award 1 mark for each correct answer.	Accept with other units if correct, e.g. 1 litre 200 ml								
22	<table><tr><th>Colour of bead</th><th>Number of beads</th></tr><tr><td>Red</td><td>3</td></tr><tr><td>White</td><td>1</td></tr><tr><td>Black</td><td>4</td></tr></table>	Colour of bead	Number of beads	Red	3	White	1	Black	4	1		All three answers correct for the mark.
Colour of bead	Number of beads											
Red	3											
White	1											
Black	4											
23	$\frac{3}{20}$ or 0.15 oe	1										
24	9 (cm)	1										

Question	Answer	Marks	Part Marks	Guidance
25(a)	(2, 1)	1		Accept answer written on the grid.
25(b)	(–3, 6)	1		Accept answer written on the grid. Do not accept (3–, 6).
26	354, 534, 456, 546, 564, 654	2	Award 1 mark for two or more correct and no more than two incorrect.	Accept answers in any order. For 1 mark, accept numbers that use duplicate cards to make some of the correct numbers, i.e. 336, 366, 444, 636, 666 Award 2 marks if they list all 11 possibilities using duplicates.

Question	Answer	Marks	Part Marks	Guidance
27	20 (cm ²)	2	Award 1 mark for sight of 36 or 16 nfw or evidence that all four of the right-angled triangles have an area of 4 (cm²) or a correct method with arithmetic errors, e.g. $(4 + 2) \times (4 + 2) - 4 \left(\frac{1}{2} \times 4 \times 2 \right)$ or $4 \left(\frac{1}{2} \times 4 \times 2 \right) + (2 \times 2) \text{ oe}$	
28	63.127	1		
29(a)	F	1		
29(b)	C and D	1		Both answers correct in either order for the mark.

Question	Answer	Marks	Part Marks	Guidance																
30	<table><tr><td>○</td><td>○</td><td>○</td><td>12</td></tr><tr><td>○</td><td>△</td><td>○</td><td>13</td></tr><tr><td>△</td><td>△</td><td>△</td><td>15</td></tr><tr><td>13</td><td>14</td><td>13</td><td></td></tr></table>	○	○	○	12	○	△	○	13	△	△	△	15	13	14	13		1		
○	○	○	12																	
○	△	○	13																	
△	△	△	15																	
13	14	13																		
31	Any number between 1.00 and 9.99 inclusive with 2 dp, e.g. 3.67	1																		



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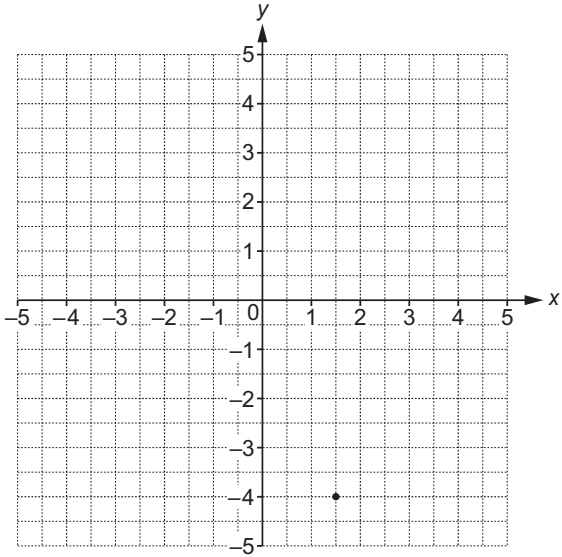
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soi	seen or implied

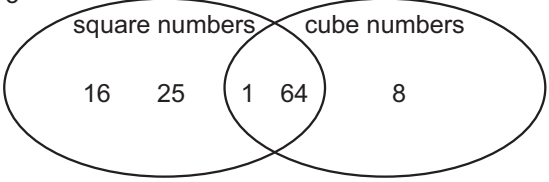
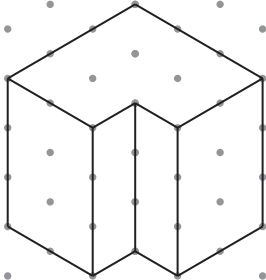
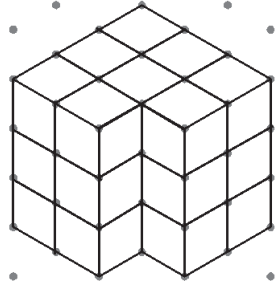
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Question	Answer	Marks	Part Marks	Guidance												
1	138 (minutes)	1														
2	2 ÷ 5 is $\frac{2}{5}$	1		Both numbers in the correct order for the mark. Accept equivalent answers.												
3	Equilateral triangle	1		Accept recognisable misspellings. Do not accept • Triangle (on its own) • Equilateral (on its own) • A sketch (on its own).												
4	☒ ☐ ☒ ☐	1		Both answers correct. Accept any clear indication.												
5	A circle of radius 4 cm correctly drawn.	1		Accept slight inaccuracies provided the intention is clear. Accept radius in range 3.8 – 4.2 cm inclusive.												
6	<table><tr><th>Fraction</th><th>Decimal</th><th>Percentage</th></tr><tr><td>$\left(1\frac{1}{5}\right)$</td><td>1.2</td><td>120%</td></tr><tr><td>$\frac{3}{10}$ oe</td><td>0.3</td><td>(30%)</td></tr><tr><td>$\frac{54}{100}$ oe</td><td>(0.54)</td><td>54%</td></tr></table>	Fraction	Decimal	Percentage	$\left(1\frac{1}{5}\right)$	1.2	120%	$\frac{3}{10}$ oe	0.3	(30%)	$\frac{54}{100}$ oe	(0.54)	54%	2	Award 1 mark for three or more correct answers.	Accept equivalent fractions. Accept percentage signs missing in final column.
Fraction	Decimal	Percentage														
$\left(1\frac{1}{5}\right)$	1.2	120%														
$\frac{3}{10}$ oe	0.3	(30%)														
$\frac{54}{100}$ oe	(0.54)	54%														

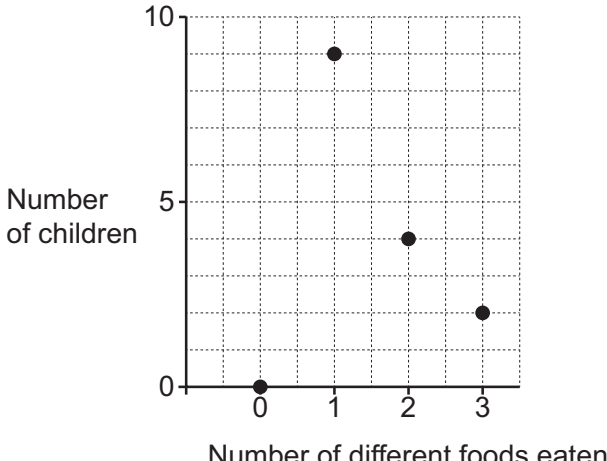
Question	Answer	Marks	Part Marks	Guidance
7(a)	$(-3, 2)$	1		Do not accept $(3-, 2)$
7(b)	Point correctly marked at $(\frac{3}{2}, -4)$. 	1		Accept the point plotted close to $(1.5, -4)$ provided the intention is clear. Do not accept a point that is 2 mm away for this question.
8(a)	Any multiple of 36 e.g. 36	1		Accept if more than one correct answer is given with no incorrect answers.
8(b)	1 or 2 or 3 or 6	1		Accept if more than one correct answer is given with no incorrect answers.

Question	Answer	Marks	Part Marks	Guidance
9	☐ ☐ ☒ ☐	1		Accept any clear indication.
10	$\frac{11}{12}$ oe	1		Accept any equivalent fractions.
11	☒ ☐ ☒ ☒	1		All three answers correct. Accept any clear indication.
12	thousandths	1		Accept recognisable misspellings. Do not accept thousands. Do not accept $\frac{1}{1000}$ or other numbers.
13	–7 and –49	1		Both answers correct for the mark. Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance
14		2	Award 1 mark for three or four correct lines.	
15(a)	9 cao	1		
15(b)	180 (weeks)	1		
16	kite	1		Accept any clear indication.
17	72	1		

Question	Answer	Marks	Part Marks	Guidance
18	5 	2	Award 1 mark for four or five numbers in correct position.	Do not accept repeated numbers. Ignore any additional numbers.
19		1		All lines must be shown to define the shape. Accept any lines that reference the smaller cubes, i.e. any of  Do not accept any additional lines except those referencing the smaller cubes. Accept slight inaccuracies provided the intention is clear.

Question	Answer	Marks	Part Marks	Guidance
20	Accept any correct explanation, e.g. • All the bags could have a different mass and each would need its own bar. • Any answer that refers to there being 30 bags/bars which would make the bar chart too large [therefore not the best representation of the data]. • Bar charts are used to display data that can be counted. • The data would be better shown in a line graph or a frequency diagram. • The data would need to be grouped to be shown on a bar chart. • Bar charts are not used to display data that is measured [unless it is grouped]. • Bar charts are usually used for discrete data.	1		
21	4.4	1		Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance
22	Breakfast food  Number of children Number of different foods eaten	2	Award 1 mark for one or more correct dots.	Accept if all or any dots up to the maximum are plotted for each different number of foods.
23	A	1		
24	1	1		
25	length 14 (cm) width 2 (cm) or length 8 (cm) width 2 (cm)	2	Award 1 mark for any square and rectangle with a total area of 32 e.g. length 31 (cm) width 1 (cm) or for two squares with a total area of 32 e.g. length 4 (cm) width 4 (cm)	Length and width can be in either order.

Question	Answer	Marks	Part Marks	Guidance								
26	25(%)	2	Award 1 mark for sight of $\frac{60}{240}$ or $\frac{0.6}{2.4}$ or 0.25 or $\frac{1}{4}$ or answer of 12.5% or for final answer 75%									
27	0.9	1										
28	54(°)	2	Award 1 mark for sight of 36(°) nfw or full correct method, e.g. $90 - \left(\frac{360}{10}\right) =$ wrong answer.									
29	<table><tr><td>Exactly one of the three new children must be 120 centimetres tall</td><td></td></tr><tr><td>Exactly two of the three new children must be 120 centimetres tall</td><td>✓</td></tr></table> <table><tr><td>The three new children have a total height of 300 centimetres</td><td></td></tr><tr><td>The three new children have a total height of 400 centimetres</td><td>✓</td></tr></table>	Exactly one of the three new children must be 120 centimetres tall		Exactly two of the three new children must be 120 centimetres tall	✓	The three new children have a total height of 300 centimetres		The three new children have a total height of 400 centimetres	✓	2	Award 1 mark for each correct answer.	Accept any clear indication.
Exactly one of the three new children must be 120 centimetres tall												
Exactly two of the three new children must be 120 centimetres tall	✓											
The three new children have a total height of 300 centimetres												
The three new children have a total height of 400 centimetres	✓											



Cambridge Primary Checkpoint

MATHEMATICS

0096/01

Paper 1

April 2024

MARK SCHEME

Maximum Mark: 40

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Markers were instructed to award marks. It does not indicate the details of the discussions that took place at a Markers' meeting before marking began, which would have considered the acceptability of alternative answers.

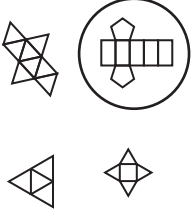
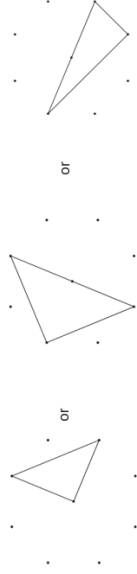
Mark schemes should be read in conjunction with the question paper and the End of Series Report. Cambridge will not enter into discussions about these mark schemes.

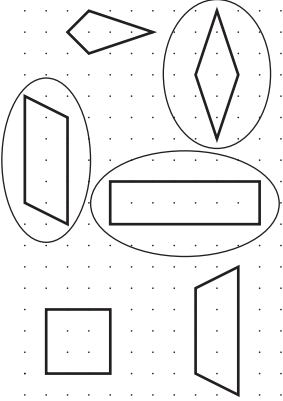
This document has **12** pages. Any blank pages are indicated.

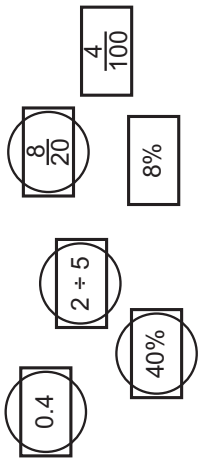
Mark scheme annotations and abbreviations

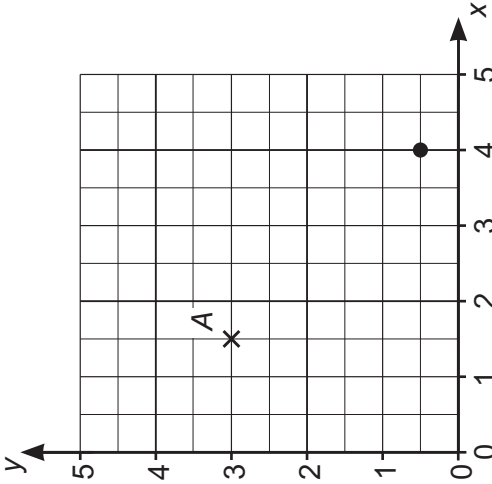
FT	follow through after error
SC	special case mark
cao	correct answer only
dep	dependent
isw	ignore subsequent working
nfw	not from wrong working
oe	or equivalent
soi	seen or implied

Question	Answer	Marks	Part Marks	Guidance
1	(5, 2)	1		Accept answer written on the diagram.
2	Explanation that includes reference to the fact that $\frac{3}{4} + \frac{3}{4}$ is greater than 1 (or does not equal 1) e.g. $\frac{3}{4} + \frac{3}{4} = 1\frac{1}{2}$ or Mia only has one quarter left (or an equivalent value, e.g. 25%) or To have $\frac{3}{4}$ left, they must only have eaten $\frac{1}{4}$	1		Do not accept vague or incorrect mathematics. Accept reference to the fact that the answer would be an improper fraction if adding $\frac{3}{4} + \frac{3}{4}$ Accept diagrams that show $1\frac{1}{4}$ remaining. Do not accept answers that restate the question.
3	10.97 (metres)	1		
4	38 040	1		Accept answer in words. Accept trailing zeros, e.g. 38040.00
5	360 ÷ 4 0.36 ÷ 4 36 ÷ 4 3.6 ÷ 4	1		Accept any clear indication.
6	23	1		

Question	Answer	Marks	Part Marks	Guidance
7	motorcycles lorries cars	1		All three answers correct in this order for the mark. Do not accept numbers in place of words for motorcycles and lorries.
8	$\frac{4}{12}$ $\frac{8}{12}$ $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{2}{3}$	1		Accept any clear indication.
9		1		Accept any clear indication.
10		1		Triangles must be complete. Accept any orientation. If more than one triangle is drawn, all must be correct for the mark.

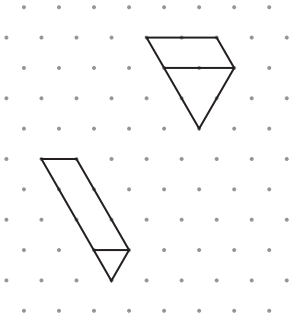
Question	Answer	Marks	Part Marks	Guidance
11	Yes and An explanation that references the fact there is an equal proportion of odd and even cards within each set, e.g. $\frac{1}{2} = \frac{2}{4}$ 1 out of 2 is the same as 2 out of 4 1:1 and 2:2 are equivalent - There is one odd and one even in set A and 2 odd and two even in set B which are both 50% (equally likely) - Set A has the same number of odd and even number cards and so does Set B (implying proportion)	1		An explanation must refer to BOTH sets of cards to be creditworthy and refer to the proportion of odd to even. Do not accept answers restating the question, e.g. an even number from each set is equally likely.
12	7532	1		
13		1		All three answers correct for the mark. Accept any clear indication.

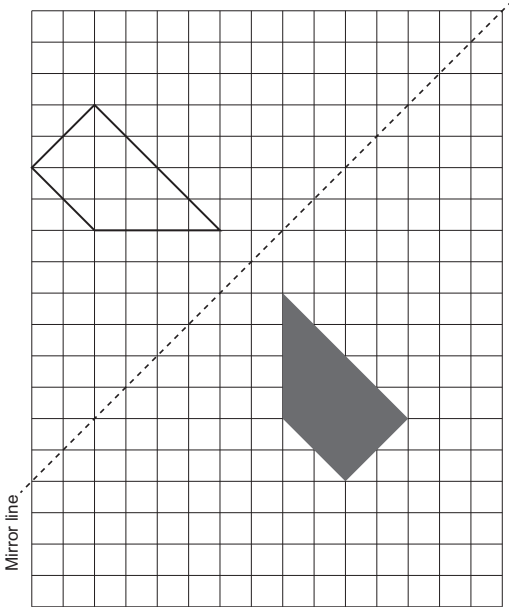
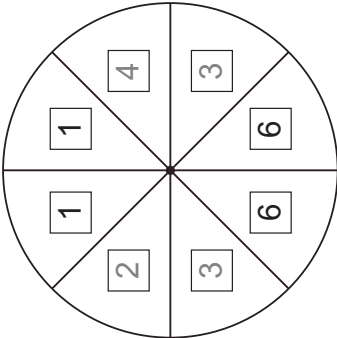
Question	Answer	Marks	Part Marks	Guidance
14		2	Award 1 mark for two or three correct and no incorrect answers. or Award 1 mark for three correct and one incorrect if 0.4, $2 \div 5$, 40% selected with $\frac{4}{100}$ or 0.4, $2 \div 5$, $\frac{8}{20}$ selected with 8%	Accept any clear indication. Do not accept three correct and one incorrect when two percentages or two fractions have been selected.
15	Circle with a diameter of 6cm drawn with a pair of compasses and using the given point as the centre.	1		Accept diameter of 5.8cm to 6.2cm inclusive. Accept slight inaccuracies.

Question	Answer	Marks	Part Marks	Guidance
16(a)	(1.5, 3)	1		Accept equivalent answers for 1.5, e.g. $(1\frac{1}{2}, 3)$, $(\frac{3}{2}, 3)$ Accept answers written on the diagram.
16(b)		1		Accept slight inaccuracies provided the intention is clear.
17	80 (%)	1		
18	 ☒ Do ten more trials.	1		Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance
19	-8	1		Do not accept 8–
20	$a = 0$ $b = 4$ $a = 1$ $b = 3$ $a = 2$ $b = 2$ $a = 3$ $b = 1$ $a = 4$ $b = 0$	2	Award 1 mark for three or four correct pairs in any order.	Do not accept repeated pairs. All values must be integers.
21	$\frac{6}{4} \text{ (m}^2\text{)}$ or $1\frac{1}{2} \text{ (m}^2\text{)}$	1		Accept equivalent answers, e.g. 1.5 and $1\frac{2}{4}$
22	(314)1	1		
23	$\frac{4}{3}$ or $\frac{6}{4}$ or $\frac{6}{5}$ or $\frac{8}{5}$	1		
24	25.2 (metres)	1		
25	Any one of these calculations that uses numbers from the sequence 9×20 or 18×10 or 36×5 or 45×4	1		Accept $9 \times 10 \times 2$, 90×2 Do not accept an answer of 180 with no supporting calculation. Do not accept $90 + 90$ (as 10×9 added to 10×9).

Question	Answer	Marks	Part Marks	Guidance
26	In general, as the age of the children increases, the number of books they borrow decreases. Fourteen-year-olds borrow more books than thirteen-year-olds. Two children each borrow 10 books.	1		Accept any clear indication.
27	$6^2 + 2^2$ $6^2 - 2^2$ $6 \times 4 + 2 \times 4$ $6 \times 6 + 4$ $6 \times 4 + 4$	1		Both correct for the mark.
28	$7 \div 5 = 1\frac{2}{5}$ or $6 \div 5 = 1\frac{2}{10}$	1		Both numbers in one calculation correct for the mark. Accept correct use of decimals in the first box, e.g. $7.5 \div 5 = 1\frac{2}{4}$

Question	Answer	Marks	Part Marks	Guidance
29	Any triangular-based prism drawn in any orientation, e.g. 	1		Accept inaccuracies provided the intention is clear. Use of a ruler is not required. Ignore all nets drawn.
30	110 (cm ²)	2	Award 1 mark for sight of 50 and 60 (not from wrong working). or Award 1 mark for $2 \times (5 \times 5) + 4 \times (3 \times 5)$ with arithmetic errors. or Award 1 mark for adding 4 squares and 2 rectangles $4 \times (5 \times 5) + 2 \times (3 \times 5)$	
31	40(°)	1		Accept answers written on the diagram.

Question	Answer	Marks	Part Marks	Guidance
32		1		Accept slight inaccuracies.
33	18 (seconds) 132 (minutes)	2	Award 1 mark for one or two correct answers.	
34		2	Award 1 mark for a spinner whose numbers satisfy 3 out of the 4 criteria.	Accept numbers in any position.

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Cambridge Primary Checkpoint

MATHEMATICS

0096/02

Paper 2

April 2024

MARK SCHEME

Maximum Mark: 40

Published

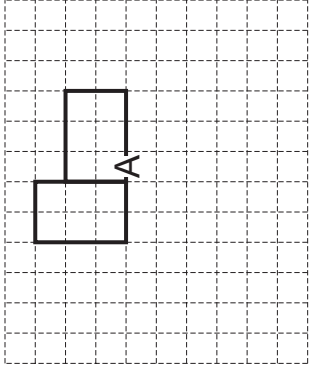
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This document has **10** pages.

Mark scheme annotations and abbreviations

FT	follow through after error
SC	special case mark
cao	correct answer only
dep	dependent
isw	ignore subsequent working
nfww	not from wrong working
oe	or equivalent
soi	seen or implied

Question	Answer	Marks	Part Marks	Guidance
1	$2\frac{2}{15}$	1		Accept equivalent fractions. Accept 0.133(333)
2		1		Accept slight inaccuracies provided the intention is clear.
3	$45\% < 0.6 < \frac{3}{4}$	1		Accept correct equivalents.
4	5	1		Do not accept 7 – 2
5	capacity volume capacity	1		Allow the word 'volume' in the first and last spaces but ensure that the learners understand and can use the word 'capacity' correctly.
6	The total number of children in class T (so then we can find half of that).	1		Accept answers that refer to knowing the actual number of children in class T in any one of the sectors or the total number of children in a category.

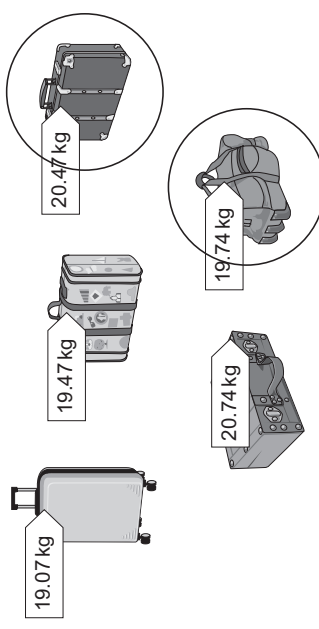
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Question	Answer	Marks	Part Marks	Guidance
7		1		
8	$46 \times 34 = 46 \times$ 30 $+$ 46 $\times 4$	1		Accept any correct alternative answer.
9	☒ I arrive early for school. ☐ I arrive late for school. ☒ I finish my homework. ☐ I do not finish my homework.	1		Accept any clear indication.
10	Any one from 17, 37, 47, 67, 97 and Any one from 27, 57, 77, 87	1		Both answers correct for the mark.
11	C D A	1		All three correct for the mark. In this order only.

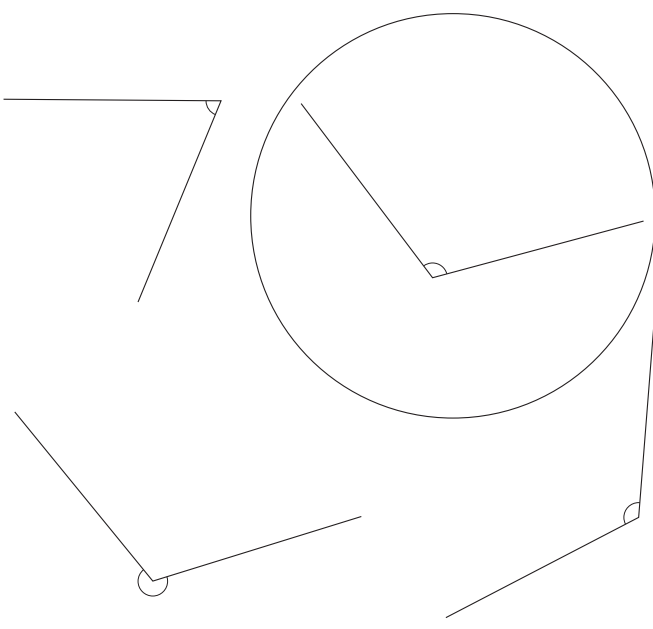
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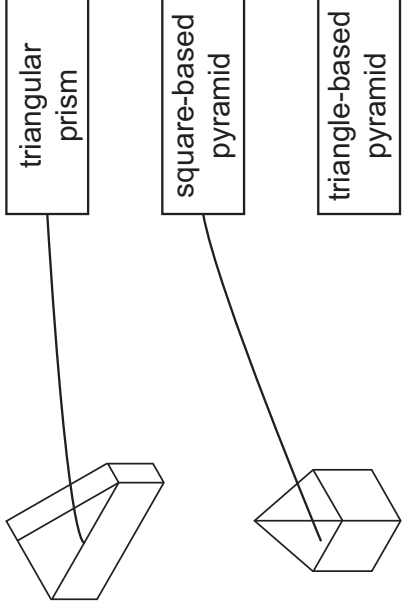
Question	Answer	Marks	Part Marks	Guidance
12(a)	Colour of eyes	1		Accept any clear indication.
12(b)	2	1		
13	42 ones and 573 thousandths ☒ 425 tenths and 73 hundredths ☐ 4 tens, 2 ones, 57 hundredths and 3 thousandths ☒ 42 ones, 57 tenths and 3 thousandths ☐ 4 tens, 2 ones, 5 tenths, 7 hundredths and 3 thousandths ☒	2	Award 1 mark for two correct and no incorrect answers. or Award 1 mark for three correct and one incorrect.	Accept any clear indication.
14	Event The ball is white. The ball is not striped. The ball is either grey or white. The ball is yellow. Probability 75% 0% 1 out of 4 1 out of 2	1		Accept any clear indication.
15	126 000 (kg)	1		

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Question	Answer	Marks	Part Marks	Guidance
16	0.48 12% 0.12 $\frac{12}{13}$ 48% $\frac{12}{25}$	2	Award 1 mark for two correct and no incorrect answers. Or Award 1 mark for: 0.48, 48% and the incorrect fraction ($\frac{12}{13}$) $0.48, \frac{12}{25}$ and the incorrect percentage (12%) $\frac{12}{25}$, 48% and the incorrect decimal (0.12)	Award 2 marks for three correct and no incorrect answers.
17	32	1		
18	Any two multiples of 60, e.g. 60 and 120	1		
19		1		Accept any clear indication.

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Question	Answer	Marks	Part Marks	Guidance
20	4	1		Accept 32 108, 256 etc. Accept $\frac{1}{16}$
21		1		
22	(8, 7)	1		

Question	Answer	Marks	Part Marks	Guidance
23(a)	 triangular prism square-based pyramid triangle-based pyramid	1		
23(b)	6 8	1		In this order only.
24	Any one from (2, 2) (2, 3) (3, 2) (3, 3)	1		Both x and y coordinate correct for the mark. Any coordinate where $(1 < x < 4, 1 < y < 4)$
25	A and C	1		In any order.

Question	Answer	Marks	Part Marks	Guidance
26	The difference in the length of Jamila's hair between each measurement is the same. Jamila's hair is 2 centimetres longer at the start of January than at the start of December. Jamila's hair is 5 millimetres longer at the start of November than at the start of October. ☒	1		Accept any clear indication.
27	(1, 2) (3, -1) (-2, 3) (5, 3) (0, 2)	1		Both answers correct for the mark. Accept any clear indication.
28	(\$) 30	2	Award 1 mark for sight of \$150 and \$180 (not from wrong working). or Award 1 mark for a complete method with arithmetic errors, e.g. $(\frac{240}{8} \times 5) - (\frac{120}{2} \times 3)$	

Question	Answer	Marks	Part Marks	Guidance
29	18	2	Award 1 mark for one correct sequence or $32 - (7 \times 3)$ or $64 - (7 \times 5)$ or $64 - 32 - (7 \times 2)$	
30	1.25 (metres) or $1\frac{1}{4}$ (metres) or $5\frac{5}{4}$ (metres)	1		Accept equivalent answers.
31	$(-20) - 10$ 0 (10)	1		Both correct for the mark. Do not accept 10 -
32	Any two from       	2	Award 1 mark for one correct shape.	Accept any orientation. Allow sketches which use any scale for the squares.
33	24 (square centimetres)	1		



Cambridge Primary Checkpoint

MATHEMATICS

0096/01

Paper 1

October 2024

MARK SCHEME

Maximum Mark: 40

Published

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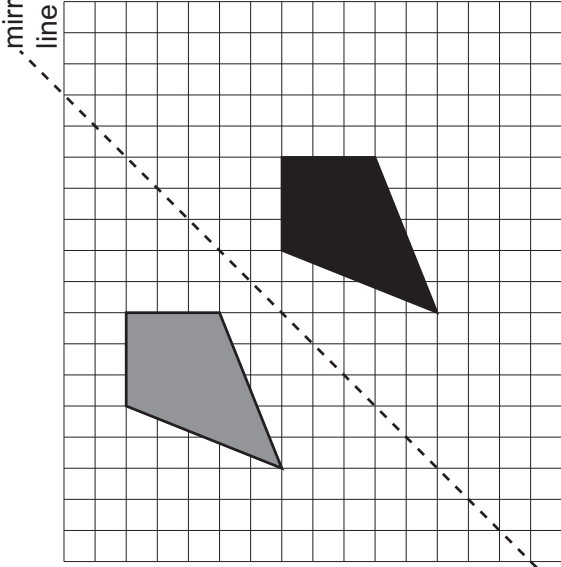
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Question	Answer	Marks	Part Marks	Guidance
1	25	1		
2	7.2	1		Do not accept equivalents, e.g. $7\frac{2}{10}$
3	70 2.163	1		Both answers correct for the mark.
4	55 (°)	1		
5	2.01	1		
6	23.22 (metres)	1		Accept equivalent answers with correct units, e.g. 2322 cm
7	1216 or 2116 or 1612 or 6112	1		If more than one answer is given, they must all be correct.
8	4 2 1 2	2	Award 1 mark for two or three correct.	All four answers correct for two marks. Accept 0 for kite.

Question	Answer	Marks	Part Marks	Guidance																														
9	(\$) 10	1																																
10	<table><tr><td></td><td colspan="5">Spelling test results</td></tr><tr><td>Oliver</td><td>3</td><td>7</td><td>5</td><td></td><td></td></tr><tr><td>Mike</td><td>5</td><td>5</td><td>6</td><td></td><td></td></tr><tr><td>Pierre</td><td>1</td><td>0</td><td>5</td><td>2</td><td>1</td></tr><tr><td>Carlos</td><td>5</td><td>5</td><td>9</td><td>5</td><td>10</td></tr></table>		Spelling test results					Oliver	3	7	5			Mike	5	5	6			Pierre	1	0	5	2	1	Carlos	5	5	9	5	10	1		All names correct and no extra. Accept any clear indication.
	Spelling test results																																	
Oliver	3	7	5																															
Mike	5	5	6																															
Pierre	1	0	5	2	1																													
Carlos	5	5	9	5	10																													
11	60 (cm ²)	1																																
12	<table><tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>8</td><td>9</td><td>10</td></tr></table>	2	3	4	5	6	8	9	10	2	Award 1 mark for four or five correct answers and no incorrect answers.																							
2	3	4	5	6	8	9	10																											
13	<table><tr><th>Pairs of events</th><th>Mutually exclusive</th><th>Not mutually exclusive</th></tr><tr><td>A and B</td><td>✓</td><td></td></tr><tr><td>B and C</td><td></td><td>✓</td></tr><tr><td>C and D</td><td></td><td>✓</td></tr><tr><td>D and E</td><td>✓</td><td></td></tr></table>	Pairs of events	Mutually exclusive	Not mutually exclusive	A and B	✓		B and C		✓	C and D		✓	D and E	✓		2	Award 1 mark for three correct answers.	Accept any clear indication.															
Pairs of events	Mutually exclusive	Not mutually exclusive																																
A and B	✓																																	
B and C		✓																																
C and D		✓																																
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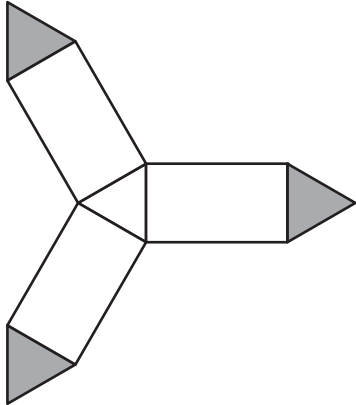
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Question	Answer	Marks	Part Marks	Guidance																				
14	3.57 (metres)	1		Accept equivalent answers with correct units, e.g. 357 cm																				
15	<table><tr><th></th><th>Possible</th><th>Impossible</th></tr><tr><td>The volume of water in a jug is 500 ml and the capacity of the jug is 1 litre.</td><td>✓</td><td></td></tr><tr><td>The volume of water in a jug is 1 litre and the capacity of the jug is 600 ml.</td><td></td><td>✓</td></tr><tr><td>The volume of water in a jug is 600 ml and the capacity of the jug is 600 ml.</td><td>✓</td><td></td></tr></table>		Possible	Impossible	The volume of water in a jug is 500 ml and the capacity of the jug is 1 litre.	✓		The volume of water in a jug is 1 litre and the capacity of the jug is 600 ml.		✓	The volume of water in a jug is 600 ml and the capacity of the jug is 600 ml.	✓		1		All three answers correct for the mark. Accept any clear indication, e.g. <table><tr><th>Possible</th><th>Impossible</th></tr><tr><td>✓</td><td></td></tr><tr><td></td><td>X</td></tr><tr><td>✓</td><td></td></tr></table>	Possible	Impossible	✓			X	✓	
	Possible	Impossible																						
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Possible	Impossible																							
✓																								
	X																							
✓																								
16	No and An explanation that states: - there are 5 sections for more than 3 phones, and this is less than half. - there are 7 sections for 3 and less than 3 phones, and this is more than half. - those with more than 3 phones only have 5 sections. (Half of the pie chart is 6 sections). - the number with 3 or less phones is not the same as more than 3 phones.	1		Do not accept reference to 6 sections being half without reference to the number of more than 3 phones (5) or 3 phones and less (7).																				
17	36 (seconds)	1		Do not accept 0.6 minutes																				

Question	Answer	Marks	Part Marks	Guidance
18	32 (centimetres)	1		
19	16800 (oranges)	2	Award 1 mark for: sight of 1200 or 70 or 3360 as evidence of a partial correct method with some correct multiplication. or a complete correct method containing arithmetic errors.	Accept 5 x 240 x 14 with no or incorrect evaluation for 1 mark.
20		1		Accept slight inaccuracies of up to 1mm from the correct vertex.

Question	Answer	Marks	Part Marks	Guidance																																								
21	<table><tr><th>Colour of T-shirts</th><th>Frequency</th></tr><tr><td>red</td><td>4</td></tr><tr><td>yellow</td><td>6</td></tr><tr><td>green</td><td>5</td></tr><tr><td>blue</td><td>8</td></tr></table><table><tr><th>Colour of T-shirts</th><th>Frequency</th></tr><tr><td>red</td><td>8</td></tr><tr><td>yellow</td><td>6</td></tr><tr><td>green</td><td>5</td></tr><tr><td>blue</td><td>16</td></tr></table> <table><tr><th>Colour of T-shirts</th><th>Frequency</th></tr><tr><td>red</td><td>4</td></tr><tr><td>yellow</td><td>3</td></tr><tr><td>green</td><td>5</td></tr><tr><td>blue</td><td>10</td></tr></table><table><tr><th>Colour of T-shirts</th><th>Frequency</th></tr><tr><td>red</td><td>8</td></tr><tr><td>yellow</td><td>6</td></tr><tr><td>green</td><td>10</td></tr><tr><td>blue</td><td>16</td></tr></table>	Colour of T-shirts	Frequency	red	4	yellow	6	green	5	blue	8	Colour of T-shirts	Frequency	red	8	yellow	6	green	5	blue	16	Colour of T-shirts	Frequency	red	4	yellow	3	green	5	blue	10	Colour of T-shirts	Frequency	red	8	yellow	6	green	10	blue	16	1		Accept any clear indication.
Colour of T-shirts	Frequency																																											
red	4																																											
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red	8																																											
yellow	6																																											
green	10																																											
blue	16																																											
22	28 (cakes)	1																																										

Question	Answer	Marks	Part Marks	Guidance
23	$\frac{1}{10}$ of 600 metres $\frac{3}{10}$ of 100 metres $\frac{5}{10}$ of 80 metres $\frac{7}{10}$ of 100 metres less than 50 metres greater than 50 metres	1		All lines correct for the mark.

Question	Answer	Marks	Part Marks	Guidance
24(a)	 Any one of the shaded triangles sketched in the correct place.	1		Do not accept nets with more than one triangle drawn. Mark the intention to draw a correctly orientated triangle.
24(b)	(square-based) pyramid	1		Accept recognisable misspellings Accept pentahedron. Do not accept polyhedron.

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Question	Answer	Marks	Part Marks	Guidance
25	Data collected the temperature in the classroom measured every hour the heights of children in Class 6 the age and height of children in Class 6 number of hours each child in Class 6 spends doing homework Representation dot plot line graph scatter graph frequency diagram for continuous data	2	Award 1 mark for two or three correct lines.	All four lines correct for 2 marks.
26	8.7	1		Accept 8.70
27	$2\frac{2}{15}$ isw	1		Accept equivalent fractions, e.g. $\frac{6}{45}$
28	7.5	1		

Question	Answer	Marks	Part Marks	Guidance
29	always never sometimes	1		Accept recognisable misspellings. All three answers correct for the mark. Words in this order only.
30	$\frac{2}{3} + \frac{2}{5} = \frac{16}{15}$	1		Accept negative and decimal alternatives.
31	84.7	1		
32	25% chance Mia picks a white ball  2 out of 3 chance Mia picks a white ball	1		Both lines correct for the award of the mark. Do not allow if additional lines are drawn.

Question	Answer	Marks	Part Marks	Guidance																
33	Yes and a correct completion of the sequence leading to -2: ...5, 0, 3, [-2] or using the number before to reach -2 (3 – 5 = -2) only if evidence of the 3 being a term from the sequence or using the number after to go back to -2 (1 – 3 = -2) only if evidence of the 1 being a term from the sequence or an explanation that –2 follows in the pattern 12, 10, 8, 6,...(every even number)	1		Do not accept 'Yes' and a statement saying -2 will be in the sequence without mathematical evidence.																
34	<table><tr><th>Points</th><th>Above his line</th><th>Below his line</th><th>On his line</th></tr><tr><td>(-3, 3)</td><td>✓</td><td></td><td></td></tr><tr><td>(2, 2)</td><td></td><td></td><td>✓</td></tr><tr><td>(3, -2)</td><td></td><td>✓</td><td></td></tr></table>	Points	Above his line	Below his line	On his line	(-3, 3)	✓			(2, 2)			✓	(3, -2)		✓		1		All three correct for the mark.
Points	Above his line	Below his line	On his line																	
(-3, 3)	✓																			
(2, 2)			✓																	
(3, -2)		✓																		



Cambridge Primary Checkpoint

MATHEMATICS

0096/02

Paper 2

October 2024

MARK SCHEME

Maximum Mark: 40

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Markers were instructed to award marks. It does not indicate the details of the discussions that took place at a Markers' meeting before marking began, which would have considered the acceptability of alternative answers.

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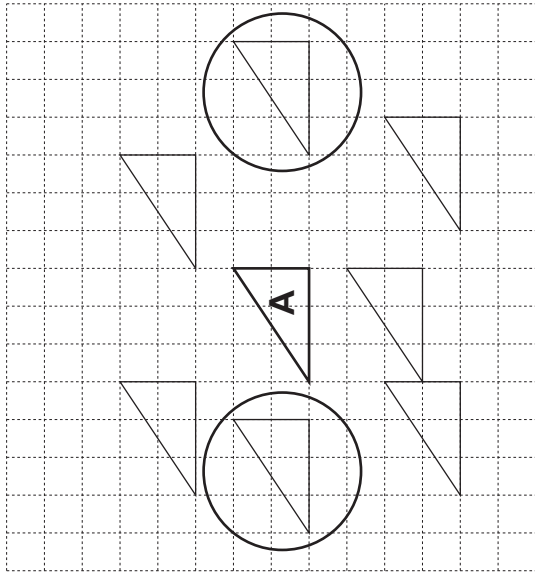
This document has **12** pages.

Mark scheme annotations and abbreviations

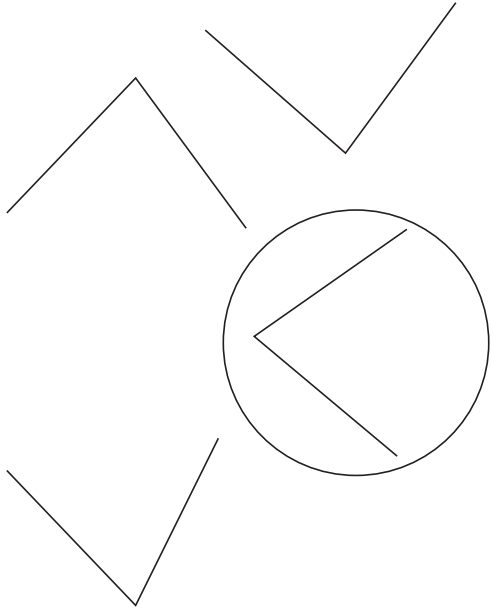
FT	follow through after error
SC	special case mark
cao	correct answer only
isw	ignore subsequent working
nfww	not from wrong working
oe	or equivalent
soi	seen or implied

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Question	Answer	Marks	Part Marks	Guidance
1	15.2	1		
2	$ \begin{array}{r} 11 \div 4 \\ 3 \frac{3}{4} \quad \swarrow \\ 4 \div 3 \\ 3 \div 4 \end{array} $ $ \begin{array}{r} 1 \frac{1}{4} \quad \text{---} \\ 5 \div 4 \\ 4 \div 5 \end{array} $	1		Both lines correct for the mark. Accept any clear indication.
3	Mike rolls a 3 or Mike rolls an even number Mike rolls a number less than 5 or Mike rolls a number greater than 5	1		Both answers required for the mark. Accept any clear indication.
4	16 (cm ²)	1		

Question	Answer	Marks	Part Marks	Guidance
5		1		Both triangles correct for the mark. Accept any clear indication.
6	32.051	1		
7(a)	10 (centimetres)	1		Do not accept 134–144 or 144–134 unevaluated.
7(b)	140 (centimetres)	1		
8	Any 2 fractions with total of $\frac{6}{7}$ e.g. $\frac{1}{7}$ and $\frac{5}{7}$	1		Accept equivalent fractions including mixed denominators. Do not accept $\frac{6}{7}$ and 0

Question	Answer	Marks	Part Marks	Guidance
9	Point correctly plotted The grid shows a Cartesian coordinate system with x and y axes. Both axes are labeled from -5 to 5. A single point is plotted at the coordinates (-3, 3).	1		Accept any clear indication. Accept slight inaccuracies.

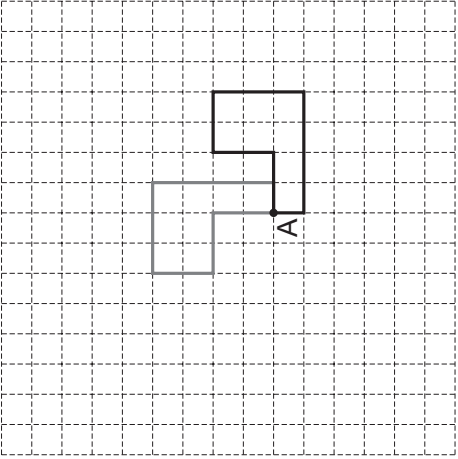
Question	Answer	Marks	Part Marks	Guidance
10(a)		1		Accept any clear indication.
10(b)	An angle measuring 118° to 122° inclusive.	1		The correct angle must be unambiguous.
11	$\frac{3}{5}$ 60% 0.15 $>$ $>$ $<$ 30% 0.07 $\frac{1}{5}$	2	Award 1 mark for two correct.	

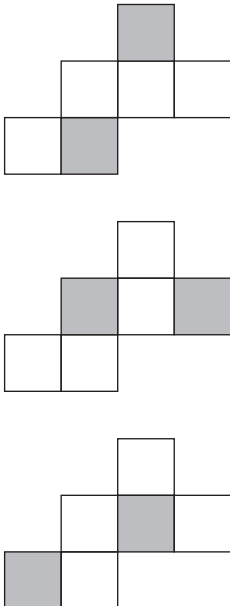
Question	Answer	Marks	Part Marks	Guidance
12	An explanation recognising that the multiplication should be done first. e.g. you need to do 2×4 and then add 6	1		Do not accept 14 without any explanation.
13(a)	10 (°C)	1		Do not accept 10–
13(b)	–9 (°C)	1		Do not accept 9–
14	4.75 4 3.25 2.5 1.75	1		Both answers correct for the mark.

Question	Answer	Marks	Part Marks	Guidance
15(a)	Height of Safia's sunflower Height in centimetres Week	1		Accept any clear indication, e.g. - the correct point drawn in at 40cm for Week 3 or - the 3 circled for Week 3
15(b)	Height of Hassan's sunflower Height in centimetres Week 3 extra points correctly plotted and all the points joined from Week 0 to Week 5	1		Accept slight inaccuracies.

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Question	Answer	Marks	Part Marks	Guidance																														
16	'No' and an explanation showing one of: • 4% is 4/100 (not 4/10) • 4/10 is 40% (not 4%) • 4% is 0.04 and 4/10 is 0.4(0)	1																																
17	<table><tr><th></th><th>True</th><th>False</th></tr><tr><td>The circumference is longer than the radius.</td><td>✓</td><td></td></tr><tr><td>The diameter is longer than the circumference.</td><td></td><td>✓</td></tr><tr><td>The radius is twice as long as the diameter.</td><td></td><td>✓</td></tr><tr><td>The diameter is longer than the radius.</td><td>✓</td><td></td></tr><tr><td>The circumference is a straight line.</td><td></td><td>✓</td></tr></table>		True	False	The circumference is longer than the radius.	✓		The diameter is longer than the circumference.		✓	The radius is twice as long as the diameter.		✓	The diameter is longer than the radius.	✓		The circumference is a straight line.		✓	2	Award 1 mark for three or four correct rows.	Accept any clear indication, e.g. <table><tr><th>True</th><th>False</th></tr><tr><td>✓</td><td></td></tr><tr><td></td><td>X</td></tr><tr><td></td><td>X</td></tr><tr><td>✓</td><td></td></tr><tr><td></td><td>X</td></tr></table>	True	False	✓			X		X	✓			X
	True	False																																
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✓																																		
	X																																	
	X																																	
✓																																		
	X																																	
18	24	1																																
19(a)	12	1																																
19(b)	144	1																																

Question	Answer	Marks	Part Marks	Guidance																								
20	<table><tr><td>13 ones + 24 thousandths</td><td>✓</td></tr><tr><td>13 ones + 2 tenths + 4 thousandths</td><td></td></tr><tr><td>10 + 3 + 0.02 + 0.004</td><td>✓</td></tr></table>	13 ones + 24 thousandths	✓	13 ones + 2 tenths + 4 thousandths		10 + 3 + 0.02 + 0.004	✓	1		Accept any clear indication.																		
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21	<table><tr><td>(3,7)</td><td>(6,2)</td><td>(9,7)</td><td>✓</td></tr><tr><td>(3,7)</td><td>(6,7)</td><td>(9,7)</td><td></td></tr><tr><td>(3,7)</td><td>(6,9)</td><td>(9,7)</td><td></td></tr><tr><td>(7,3)</td><td>(2,6)</td><td>(7,9)</td><td></td></tr><tr><td>(7,3)</td><td>(7,6)</td><td>(7,9)</td><td></td></tr><tr><td>(7,3)</td><td>(9,6)</td><td>(7,9)</td><td></td></tr></table>	(3,7)	(6,2)	(9,7)	✓	(3,7)	(6,7)	(9,7)		(3,7)	(6,9)	(9,7)		(7,3)	(2,6)	(7,9)		(7,3)	(7,6)	(7,9)		(7,3)	(9,6)	(7,9)		1		Accept any clear indication.
(3,7)	(6,2)	(9,7)	✓																									
(3,7)	(6,7)	(9,7)																										
(3,7)	(6,9)	(9,7)																										
(7,3)	(2,6)	(7,9)																										
(7,3)	(7,6)	(7,9)																										
(7,3)	(9,6)	(7,9)																										
22	A circle of radius 6 cm drawn with P as the centre.	1		Only accept circles drawn with a pair of compasses. Accept slight inaccuracies.																								
23		1		Accept slight inaccuracies.																								

Question	Answer	Marks	Part Marks	Guidance															
24	Any one of 	1		Accept any clear indication.															
25	<table><tr><th>Description of Oliver's quadrilateral</th><th>Name of Oliver's quadrilateral</th></tr><tr><td>exactly 4 right angles exactly 2 lines of symmetry</td><td>rectangle</td></tr><tr><td>exactly 1 right angle no parallel sides</td><td>kite</td></tr><tr><td>exactly 2 right angles diagonals are not equal lengths</td><td>trapezium</td></tr><tr><td>no right angles diagonals are not equal lengths</td><td>rhombus</td></tr></table>	Description of Oliver's quadrilateral	Name of Oliver's quadrilateral	exactly 4 right angles exactly 2 lines of symmetry	rectangle	exactly 1 right angle no parallel sides	kite	exactly 2 right angles diagonals are not equal lengths	trapezium	no right angles diagonals are not equal lengths	rhombus	2	Award 1 mark for three correct answers with no repeats. <table><tr><td>Name of Oliver's quadrilateral</td></tr><tr><td>rectangle</td></tr><tr><td>kite</td></tr><tr><td>trapezium or kite</td></tr><tr><td>rhombus or kite or trapezium</td></tr></table>	Name of Oliver's quadrilateral	rectangle	kite	trapezium or kite	rhombus or kite or trapezium	
Description of Oliver's quadrilateral	Name of Oliver's quadrilateral																		
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rhombus or kite or trapezium																			

Question	Answer	Marks	Part Marks	Guidance
26	One pair of numbers from: 4.1 and 4.4 or 4.2 and 4.3 or 4.2 and 4.4 or 4.3 and 4.4	1		Do not accept repeated numbers, e.g. 4.3 and 4.3 The numbers in the pair can be in any order.
27(a)	30	1		
27(b)	24	1		
28	The probability of a difference of 5 is half the probability of a difference of 4 There is almost a 50% chance of getting a difference of 1 or less. The probability of a difference of 0 is about the same as the probability of a difference of 3	2	Award 1 mark for two correct sentences.	Accept 0 and 3 in either order in last sentence.
29	2401	1		Do not accept 49 ²
30	680 (cents)	1		Accept equivalent answers, e.g. \$6.8(0) Do not accept 6.8 without the correct units.



Cambridge Primary Checkpoint

MATHEMATICS

0096/01

Paper 1

April 2025

MARK SCHEME

Maximum Mark: 40

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Markers were instructed to award marks. It does not indicate the details of the discussions that took place at a Markers' meeting before marking began, which would have considered the acceptability of alternative answers.

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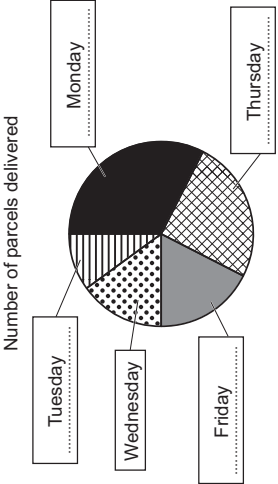
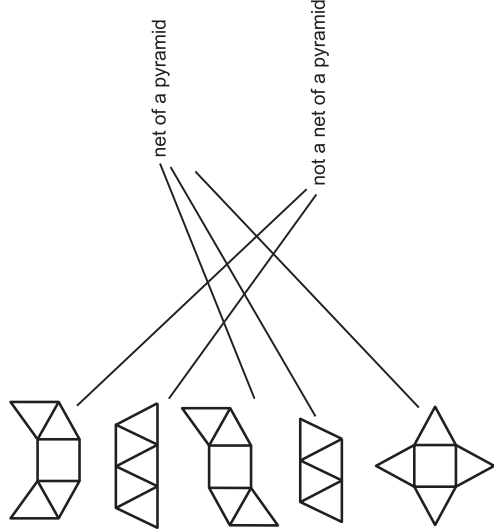
Mark scheme annotations and abbreviations

FT	follow through after error
SC	special case mark
cao	correct answer only
dep	dependent
isw	ignore subsequent working
nfw	not from wrong working
oe	or equivalent
soi	seen or implied

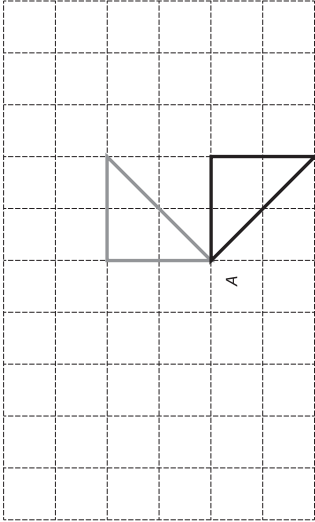
Question	Answer	Marks	Part Marks	Guidance
1	1.023	1		
2	$1\frac{1}{3}$	1		Correct answer only.
3	112.115	1		
4	9485 (kg)	1		
5	–15	1		Do not accept 15–
6	Investigation How many five-year-old children choose strawberry as their favourite ice cream flavour? Is there a link between favourite fruit and favourite ice cream flavour? Data he needs to collect favourite fruit height in cm favourite ice cream flavour favourite dessert date of birth	1		

Question	Answer	Marks	Part Marks	Guidance
7	 \$0.20 ☐  \$0.35 ☐  \$0.45 ☐  \$0.90 ☒  \$0.95 ☐  \$1.10 ☒  \$2.00 ☐  \$2.45 ☐	1		Accept any clear indication.
8	An explanation that identifies that 12 is divisible by 4 or there are 2378 in each box. or an explanation that states that there is not a remainder or 9512 is a multiple of 4	1		Accept a correct explanation even if 'no' is chosen or no selection made. Do not accept incorrect statements.
9	9 (whole pizzas)	1		Do not accept $8\frac{1}{3}$ unless followed by 9 on the answer line.
10	 acute angle  obtuse angle  reflex angle  right angle	2	Award 1 mark for two correct shapes.	

Question	Answer	Marks	Part Marks	Guidance
11	$78 \times 100 = \dots\dots\dots 7800$ $0.78 \times 1000 = \dots\dots\dots 780$ $78 \div 1000 = \dots\dots\dots 0.078$ $7.8 \div 10 = \dots\dots\dots 0.78$	2	Award 1 mark for any two or three correct answers.	
12	$\begin{array}{r} 98 \\ \underline{48} \end{array}$	1		Accept equivalent fractions or mixed numbers, e.g. $\frac{49}{24}$ $2\frac{1}{24}$ Do not accept decimals. isw any incorrect simplification after the correct fraction is seen.
13	36 (cm)	1		Accept equivalent answers with correct units, e.g. 360 mm

Question	Answer	Marks	Part Marks	Guidance
14(a)	85	1		
14(b)	Number of parcels delivered  Monday Tuesday Wednesday Thursday Friday	1		Accept recognisable misspellings.
15	 net of a pyramid not a net of a pyramid	2	Award 1 mark for three or four correct answers.	
16(a)		1		Accept any clear indication.
16(b)	An explanation that recognises the bar chart contains grouped data or 0–5 may include children who planted 0 flowers.	1		Do not accept incorrect statements.

Question	Answer	Marks	Part Marks	Guidance
17	46 (cakes)	1		
18	5 (hours)	1		
19	3312 and 3321	1		Accept answers in any order.
20	$\frac{3}{5}$ 65% $\frac{66}{100}$ 0.75 $1\frac{1}{5}$	1		Accept unambiguous correct equivalents, e.g. 60%, 65%, 66%, 75%, 120% or 0.6, 0.65, 0.66, 0.75, 1.2 or $\frac{60}{100}$, $\frac{65}{100}$, $\frac{66}{100}$, $\frac{75}{100}$, $\frac{120}{100}$ or an unambiguous mixture of percentages, decimals and/or fractions.
21	6.03 (ml)	1		Do not accept misreads.
22	17 (°C)	1		Accept –17 Do not accept 17–

Question	Answer	Marks	Part Marks	Guidance
23	4.3 cm 0.045 m 440 mm 0.42 km	1		Accept correct numbers without units when using the given values. Accept correct conversions, e.g. 4.3[cm] 4.5 cm 44 cm 42000 cm Any units given must be correct with any conversion. Do not accept misreads.
24		1		Do not accept incomplete triangles. Accept slight inaccuracies.

Question	Answer	Marks	Part Marks	Guidance
25		2	Award 1 mark for three correct answers.	
26(a)	62 (cm ²)	2	Award 1 mark for a correct method with arithmetic errors, e.g. $2(3 \times 5) + 2(2 \times 3) + 2(5 \times 2)$ or $2 \times (15 + 6 + 10)$ or $15 + 15 + 6 + 6 + 10 + 10$	Implied by $30 + 12 + 20$
26(b)	27 (cubes)	1		
27	0.55	1		Accept equivalent fractions, $\frac{11}{20}$ or $\frac{55}{100}$ e.g.

Question	Answer	Marks	Part Marks	Guidance
28	(length of original) 80 (cm) (width of original) 60 (cm)	2	Award 1 mark for a complete correct method with arithmetic errors, e.g. $120 \div 3 = 40$ $90 \div 3 = 30$ 40×2 30×2 or both correct answers but reversed (60, 80) or sight of 40 and 30 (nfwv).	Award 1 mark for each correct answer. The measurements can be given on the diagram. Indicates correct measurements for the first copy.
29	45 (pears)	2	Award 1 mark for a correct method with arithmetic errors, e.g. $3 + 4 = 7$ $105 \div 7 = 15$ 3×15 or 60 as final answer. or (partial) sequences of multiples of 3 and 4 with no more than one arithmetic error.	For sequences with one arithmetic error, the value for the pears must be selected from the multiples which are closest in total to 105.

Question	Answer	Marks	Part Marks	Guidance
30	27	1		Do not accept 108

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Cambridge Primary Checkpoint

MATHEMATICS

0096/02

Paper 2

April 2025

MARK SCHEME

Maximum Mark: 40

Published

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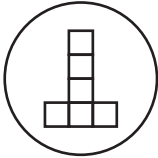
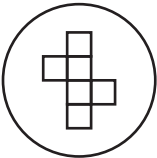
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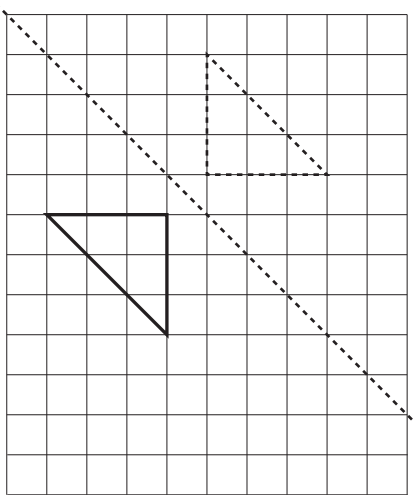
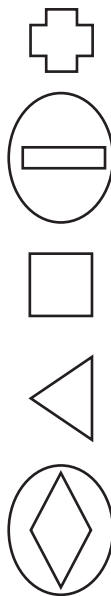
This document has **10** pages.

Mark scheme annotations and abbreviations

FT	follow through after error
SC	special case mark
cao	correct answer only
dep	dependent
isw	ignore subsequent working
nfww	not from wrong working
oe	or equivalent
soi	seen or implied

Question	Answer	Marks	Part Marks	Guidance
1	25	1		
2	64	1		Do not accept 8 ²
3	50 (kg)	1		
4	An explanation that recognises the scales on the graphs are not the same (but the height of the bars are), e.g. - Period 1 scale goes up in 2s but period 2 goes up in 20s. (The bars are the same height.) - I know more are sold in period 2 because the scale is different (bigger). - There are 10 times as many sold in period 2.	1		Accept implication of the different scales without specific reference, e.g. - The scale in period 1 goes up to 10 and up to 100 in period 2 '50 / 80 / December / January is more than the total of period 1' 'She sells 16 in period 1 and 160 in period 2'
5	10.05 10.95 11.05 11.50 11.55 smallest largest	1		All answers correct for the mark. Allow 11.5 for 11.50 Do not accept misreads.

Question	Answer	Marks	Part Marks	Guidance
6	     	1		Both answers correct for the mark. Accept any clear indication.
7	The chance that Chen picks a yellow sweet is 3 out of 10	1		Accept equivalent answers. Allow $\frac{3}{10}$ or 30% or 0.3 written in first space and second space left empty.
8	$(25 + 5) \times 2 = 60$	1		
9(a)	94(°)	1		Accept 92° to 96° inclusive.
9(b)	40(°) and 40(°)	1		Both angles correct for the mark.

Question	Answer	Marks	Part Marks	Guidance
10		1		Accept slight inaccuracies.
11		1		Both answers correct for the mark.
12	area of A > area of B perimeter of A = perimeter of B	1		Both answers correct for the mark.
13	$\frac{3}{4} = 64$	1		

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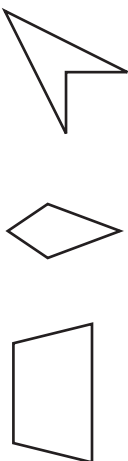
Question	Answer	Marks	Part Marks	Guidance															
14(a)	(−1, 1)	1		Accept correct answer written on the grid.															
14(b)	B	1		Accept any clear indication, e.g. coordinates (−1, 3) indicated on graph.															
15	water and 1 litre	1		Accept any clear indication.															
16	<table><tr><th></th><th>Mutually exclusive</th><th>Not mutually exclusive</th></tr><tr><td>dream and sleep</td><td></td><td>✓</td></tr><tr><td>read and sleep</td><td>✓</td><td></td></tr><tr><td>move and sleep</td><td></td><td>✓</td></tr><tr><td>cook and sleep</td><td>✓</td><td></td></tr></table>		Mutually exclusive	Not mutually exclusive	dream and sleep		✓	read and sleep	✓		move and sleep		✓	cook and sleep	✓		1		Accept any clear indication.
	Mutually exclusive	Not mutually exclusive																	
dream and sleep		✓																	
read and sleep	✓																		
move and sleep		✓																	
cook and sleep	✓																		
17	1:15 pm or 13:15	1		Do not accept 1:15 or 1:15 am. Accept ‘a quarter past one in the afternoon.’															
18	4.45 5.50 5.01 5.11 4.95 4.55	1		Accept any clear indication.															
19	An explanation that recognises that Gabriella needs the actual number of pets, e.g. - Gabriella needs to count how many each person has. - She should have asked how many pets each person has.	1		Accept an explanation that - she could get too much information of the wrong type or information that is not specific enough. - it could be too time consuming to sort the data (we only need the number of pets) or to ask a further question. Do not accept ‘it would be too time consuming’ alone.															

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Question	Answer	Marks	Part Marks	Guidance
20(a)	Number of books read and English test scores English test score Number of books read in a year	1		Accept slight inaccuracies.
20(b)	Any word/phrase that suggests an increase or improvement, e.g. goes up.	1		Accept recognisable misspellings.
21	5 hundredths 5 tens 5 ones 5 thousandths	1		All four lines correct for the mark. Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance
22	51 (cents)	2	Award 1 mark for a correct method with arithmetic errors, e.g. $15\% \text{ of } 60 = 9$ ($0.15 \times 60 = 9$) $60 - 9 = 51$ or sight of 9 (nfww) as evidence of calculating 15% of 60 or 85% of 60 (0.85×60 or $\frac{85}{100} \times 60$) or 0.51 as the final answer as evidence of an appropriate method with incorrect units.	Accept for 2 marks \$0.51 (with or without the ‘cents’ crossed out).
23	The mode is... 5 The median is... 6 The mean is... 7 The range is... 7	2	Award 1 mark for two or three correct answers.	

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Question	Answer	Marks	Part Marks	Guidance									
24	Drawing of an isosceles trapezium, kite or arrowhead. 	1		Allow slight inaccuracies.									
25	A = \$20 B = \$5 or A = \$10 B = \$15	1		Do not accept A = \$0 B = \$25									
26	<table border="1"><thead><tr><th colspan="2">Common factor</th><th>Common multiple</th></tr></thead><tbody><tr><td>4 and 10</td><td>1 or 2</td><td>Any multiple of 20</td></tr><tr><td>Any two from: 5, 10, 15 and 30 Allow repeats, e.g. 5 and 5</td><td>5</td><td>30</td></tr></tbody></table>	Common factor		Common multiple	4 and 10	1 or 2	Any multiple of 20	Any two from: 5, 10, 15 and 30 Allow repeats, e.g. 5 and 5	5	30	2	Award 1 mark for each correct row.	
Common factor		Common multiple											
4 and 10	1 or 2	Any multiple of 20											
Any two from: 5, 10, 15 and 30 Allow repeats, e.g. 5 and 5	5	30											
27	(0, 1) or (4, 1) or (−2, −3)	1		Accept coordinates written on the graph.									
28	8 (hours)	1											

Question	Answer	Marks	Part Marks	Guidance
29	A spinner completed with 1, 1, 2, 2, 3, 3, 3, 4 in any order.	1		All answers correct for the mark.
30	$\triangle = 8$ or $\triangle = 7$ or $\triangle = 6$ $\bigcirc = 3$ or $\bigcirc = 6$ or $\bigcirc = 9$	1		Accept multiple solutions as long as number pairs are correct.
31	$\boxed{1} + \boxed{3} \times \boxed{5} = 16$ or $\boxed{1} + \boxed{5} \times \boxed{3} = 16$	1		Accept $(1 + 3) \times 4$ or $(3 + 1) \times 4$ or $(5 + 3) \times 2$ or $(3 + 5) \times 2$
32	5(cm)	1		
33	Pierre translates triangle A5..... squares right and3..... squares down.	1		
34	A triangle with shortest sides: 2 and 8 or 4 and 4 or 1 and 16	1		Allow slight inaccuracies. Accept any mathematically correct answer.



Cambridge Primary Checkpoint

MATHEMATICS

0096/01

Paper 1

October 2025

MARK SCHEME

Maximum Mark: 40

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Markers were instructed to award marks. It does not indicate the details of the discussions that took place at a Markers' meeting before marking began, which would have considered the acceptability of alternative answers.

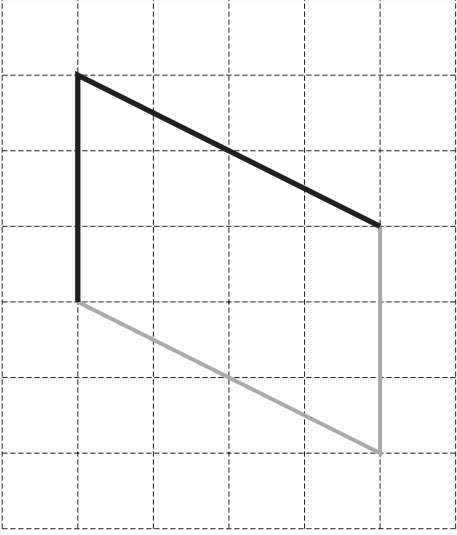
Mark schemes should be read in conjunction with the question paper and the End of Series Report. Cambridge will not enter into discussions about these mark schemes.

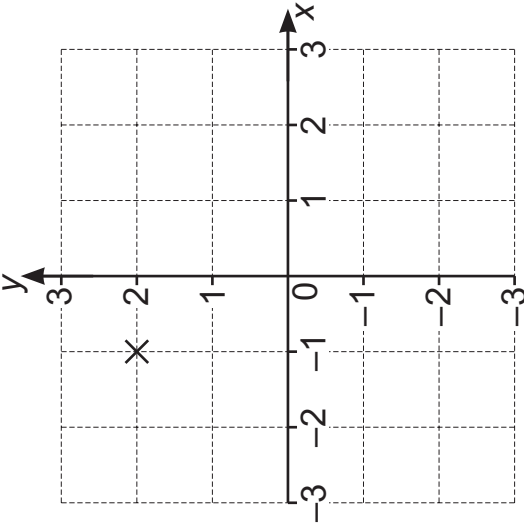
This document has **12** pages. Any blank pages are indicated.

Mark scheme annotations and abbreviations

FT	follow through after error
SC	special case mark
cao	correct answer only
isw	ignore subsequent working
nfw	not from wrong working
oe	or equivalent
soi	seen or implied

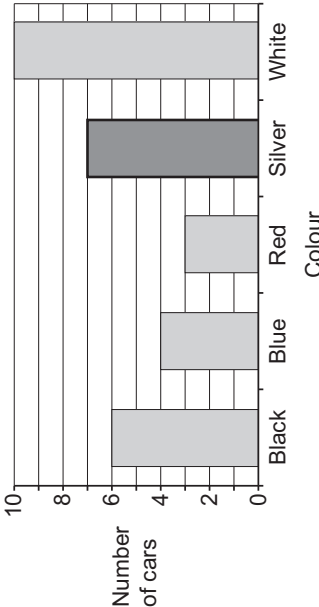
PUBLISHED

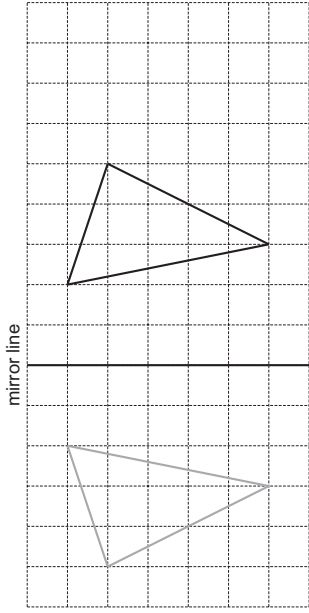
Question	Answer	Marks	Part Marks	Guidance
1	121	1		
2	3 (cm)	1		Accept an answer in the range 2.8 (cm) – 3.2 (cm) inclusive. Accept answers only in centimetres.
3	13.58	1		
4		1		Accept slight inaccuracies provided the intention is clear. Do not accept the given lines extended.
5	$3\frac{3}{7}$	1		Accept equivalent answers, e.g. $\frac{6}{14}$ or 0.428.....truncated to 3 decimal places. ISW for attempting to simplify after a correct fraction is seen.

Question	Answer	Marks	Part Marks	Guidance
6	Point plotted at $(-1, 2)$. 	1		Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance
7	True ☐ ✓ ☐ ☐ ✓ False ☒ ☐ ✓ ☐	2	Award 1 mark for three correct.	All answers correct for 2 marks. Accept any clear indication, e.g. True ☐ False ☒ ☒ ☐ ☐ ☒ ☐ ☒
8	270 (seconds)	1		
9(a)	square-based pyramid or square pyramid or pyramid	1		Accept any recognisable misspellings. Accept pentahedron. Do not accept tetrahedron.
9(b)	9 (faces)	1		
10	265	1		

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Question	Answer	Marks	Part Marks	Guidance
11(a)	$\frac{17}{100}$	1		Accept equivalent fractions.
11(b)	2.3[0]	1		
12	146(°)	1		Accept an answer in the range 144(°) to 148(°) inclusive.
13	45.6[0] 6510	2	Award 1 mark for each correct answer.	
14(a)	 Number of cars Colour Bar of height 7 drawn for silver.	1		Accept slight inaccuracies provided the intention is clear. Accept freehand bar drawn.
14(b)	3	1		

Question	Answer	Marks	Part Marks	Guidance
15		1		Accept slight inaccuracies provided the intention is clear.
16	$\frac{3}{7}$ $>$ $\frac{2}{7}$ 0.3 $>$ 3% 40% $=$ $2\frac{2}{5}$	2	Award 1 mark for two correct answers.	All answers correct for 2 marks.
17	2	1		
18	$2\frac{3}{4}$ cao	1		Do not accept equivalent fractions.
19	0.14	1		

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Question	Answer	Marks	Part Marks	Guidance
20	14.122	1		Accept any clear indication.
	<input checked="" type="text" value="141.22"/>			
	1412.2			
	14122.00			
21	105	1		Do not accept 105%
22	800 (ml)	1		
23	604	1		
24	5 (years old) 7 (children)	2	Award 1 mark for each correct answer.	Answers in this order only.

Question	Answer	Marks	Part Marks	Guidance
25(a)	Correct vertex shown.	1		Accept any clear indication.
25(b)	90(°) or 270(°)	1		Accept 270° clockwise or 90° anticlockwise.
26(a)	2	1		
26(b)	4	1		

Question	Answer	Marks	Part Marks	Guidance
27	True ☒ ☒ ☐ ☒ False ☐ ☐ ☒ ☐	2	Award 1 mark for three correct.	All ticks correct for 2 marks. Accept any clear indication, e.g. True ☒ ☒ ☐ ☒ False ☐ ☐ ☒ ☐
28	1, 4, 6, 8, 8 or 2, 3, 6, 8, 8	2	Award 1 mark for any two criteria met e.g. 1, 2, 6, 8, 8 (correct median and mode, incorrect sum) 1, 3, 6, 7, 10 (correct median and sum, incorrect mode) 1, 2, 8, 8, 8 (correct mode and sum, incorrect median) If 0 scored award SC1 for 0, 5, 6, 8, 8	Condone numbers in any order. Only accept integer numbers. There must be 5 digits given.

Question	Answer	Marks	Part Marks	Guidance
29	An explanation that City C is 4 hours ahead of City A, e.g. When it is 6 pm in City A, it is 10 pm in City C or City C is 4 hours ahead of City A or When it is 2 pm in City C, it is 10 am in City A or She has gone back 4 hours rather than gone forward 4 hours	1		Do not accept 'City C is 10' without 'pm' unless it is clear that City C is 4 hours ahead of City A or 7 hours ahead of City B.

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Cambridge Primary Checkpoint

MATHEMATICS

0096/02

Paper 2

October 2025

MARK SCHEME

Maximum Mark: 40

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Markers were instructed to award marks. It does not indicate the details of the discussions that took place at a Markers' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the End of Series Report. Cambridge will not enter into discussions about these mark schemes.

This document has **8** pages.

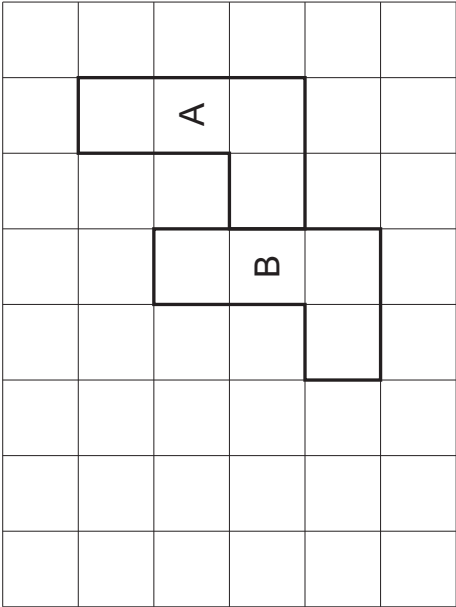
Mark scheme annotations and abbreviations

FT	follow through after error
SC	special case mark
cao	correct answer only
isw	ignore subsequent working
nfww	not from wrong working
oe	or equivalent
soi	seen or implied

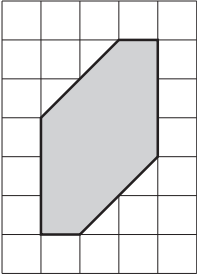
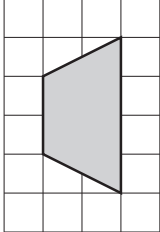
PUBLISHED

Question	Answer	Marks	Part Marks	Guidance
1	2 tenths	1		Accept any clear indication.
2	$3\frac{3}{8}$ (of a pizza)	1		Accept equivalent fractions. Do not accept decimal equivalents.
3	49 (dots)	1		Do not accept 49 dots drawn without evaluation.
4(a)	Any multiple of 30 e.g. 30, 60	1		Accept if more than one correct answer is given with no incorrect answers.
4(b)	Any factor of 8 and 12 i.e. 1, 2 or 4	1		Accept if more than one correct answer is given with no incorrect answers.
5	16	1		
6	Oliver	1		Accept any clear indication on the table. Accept any recognisable misspellings.
7	51 (thousandths)	1		
8	23	1		
9	25 (%)	1		

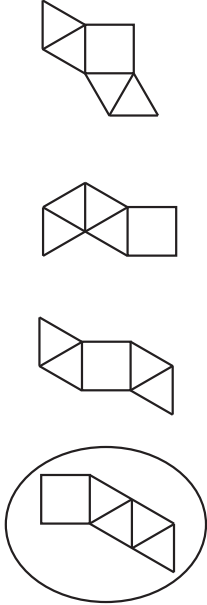
PUBLISHED

Question	Answer	Marks	Part Marks	Guidance
10	-1 5	1		Both answers correct for the mark. Do not accept 1– Accept in this order only.
11	No ticked and An explanation stating that A has been translated 4 squares to the left (instead of 2 squares to the left). e.g. B should look like this: 	1		Accept explanations that only refer to the horizontal movement. All mathematics must be correct.
12	scatter graph	1		Accept any clear indication.

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Question	Answer		Marks	Part Marks	Guidance
13	Shape 	Order of rotational symmetry	2	Award 1 mark for two correct answers.	Accept 'no rotational symmetry' for the trapezium. Condone 0 for the trapezium.
		2			
		4			
	Shape 	1			
14(a)	10 (people)		1		
14(b)	$\frac{46}{100}$		1		Accept equivalent fractions, e.g. $\frac{23}{50}$

Question	Answer	Marks	Part Marks	Guidance
15	21 (cm ²) nfwv	2	Award 1 mark for sight of 6 (area of triangle) nfwv or a correct complete method with arithmetic errors, e.g. $5 \times 3 + 4 \times 3 \div 2 = \text{their answer.}$	Accept method using formula for area of trapezium.
16	Any pair from A = 1, B = 9 A = 2, B = 7 A = 3, B = 5 A = 4, B = 3 A = 5, B = 1	1		Answers in the correct order for the mark. Answers including 0 are awarded 0 marks.
17	1	1		Accept any clear indication.
18	984	1		
19	30(°)	1		
20	True ☐ False ☒ True ☐ False ☐	1		Both answers correct for the mark. Accept any clear indication.

Question	Answer	Marks	Part Marks	Guidance		
21(a)	An explanation that states 162 is divisible by both 9 and 18 e.g. • 162 is a common multiple of 9 and 18 • $9 \times 18 (=162)$ • 9 and 18 are factors of 162	1		Do not accept reference to the fact that the denominators must be the same, without any reference to the numbers involved.		
21(b)	Both fractions shown with a common denominator that is a multiple of 18 and less than 162, e.g. $\frac{8}{18} + \frac{5}{18}$ or $\frac{40}{90} + \frac{25}{90}$	1		Accept $\frac{8}{18}$ without rewriting $\frac{5}{18}$		
22	0.08 0.78 0.8 0.87 1.8	1		Correct order only.		
23	15 (oranges)	1		Do not accept misreads or transcription errors.		
24	52 (cm ²)	1				
25	<table border="1"><tr><td>7</td></tr></table> . <table border="1"><tr><td>4</td></tr></table>	7	4	1		
7						
4						
26		1		Accept any clear indication.		

Question	Answer	Marks	Part Marks	Guidance															
27	(0, −5)	1																	
28	12	1																	
29(a)	14	1																	
29(b)	10	1																	
30	Any negative number	1																	
31	175 60	2	Award 1 mark for one correct number in the correct place.	Answer in the correct box for each mark.															
32	<table><tr><th>Always</th><th>Sometimes</th><th>Never</th></tr><tr><td>✓</td><td></td><td></td></tr><tr><td></td><td></td><td>✓</td></tr><tr><td></td><td>✓</td><td></td></tr><tr><td></td><td>✓</td><td></td></tr></table>	Always	Sometimes	Never	✓					✓		✓			✓		2	Award 1 mark for two correct ticks.	All answers correct for 2 marks. Accept any clear indication.
Always	Sometimes	Never																	
✓																			
		✓																	
	✓																		
	✓																		

Cambridge Primary Checkpoint

MATHEMATICS**0096/01**

Paper 1

May 2026

MARK SCHEME

Maximum Mark: 40

Published

Before they start marking, examiners complete a standardisation process. They review a range of candidate responses and discuss the mark scheme in detail to agree which answers can and cannot be accepted. Examiners award marks where it is clear that candidate responses have met the requirements of the mark scheme. These requirements may vary between different components or different versions of the same component, depending on the exact requirements of the question and the candidate responses seen during the standardisation process.

Sometimes, our mark schemes may allow marks to be awarded to responses which contain elements that are factually incorrect or for content not covered by the curriculum. We do this in response to the demands of a specific question to support candidates and make sure that our assessments are fair. However, these allowances should not be used as a guide for teaching and learning.

We cannot discuss the mark scheme with schools, and we recommend that schools read the mark scheme together with the assessment material and the Principal Examiner Report for Teachers.

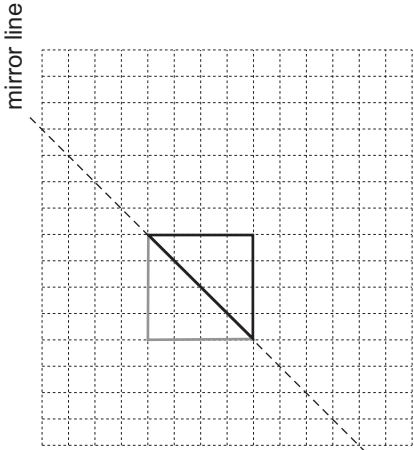
This document has **14** pages. Any blank pages are indicated.

Mark scheme annotations and abbreviations

FT	follow through after error
SC	special case mark
cao	correct answer only
dep	dependent
isw	ignore subsequent working
nfw	not from wrong working
oe	or equivalent
soi	seen or implied

Question	Answer	Marks	Part Marks	Guidance
1	1.5 and 2.5	1		Accept answers in this order only. Accept equivalent answers.
Question	Answer	Marks	Part Marks	Guidance
2	8	1		Do not accept 2 ³
Question	Answer	Marks	Part Marks	Guidance
3	800 (grams)	1		
Question	Answer	Marks	Part Marks	Guidance
4	–11	1		Do not accept 11–

Question	Answer	Marks	Part Marks	Guidance
5(a)	$(1, -2)$	1		Accept coordinates written on the grid.
5(b)		1		Accept slight inaccuracies provided the intention is clear. If no other point plotted, accept an unlabelled point plotted at $(5, -2)$.

Question	Answer	Marks	Part Marks	Guidance
6		1		Accept a triangle drawn in the correct place without evidence of drawing the side along the mirror line.
Question	Answer	Marks	Part Marks	Guidance
7	$4\frac{4}{5}$ $3\frac{3}{10}$	2	Award 1 mark for each correct answer.	Accept equivalent answers.
Question	Answer	Marks	Part Marks	Guidance
8	6750 (letters)	1		

Question	Answer	Marks	Part Marks	Guidance										
9	<table><tr><td>62 + 122</td><td></td></tr><tr><td>62 + 0.122</td><td>✓</td></tr><tr><td>60 + 2 + 0.122</td><td>✓</td></tr><tr><td>62 + 0.12 + 2</td><td></td></tr></table>	62 + 122		62 + 0.122	✓	60 + 2 + 0.122	✓	62 + 0.12 + 2		1		Both answers correct for the mark. Accept any clear indication.		
62 + 122														
62 + 0.122	✓													
60 + 2 + 0.122	✓													
62 + 0.12 + 2														
Question	Answer	Marks	Part Marks	Guidance										
10	1.75	1												
Question	Answer	Marks	Part Marks	Guidance										
11	<table><tr><th>description</th><th>type</th></tr><tr><td>it has no lines of symmetry</td><td>isosceles triangle</td></tr><tr><td>it has 1 line of symmetry</td><td>scalene triangle</td></tr><tr><td>it has no equal angles</td><td></td></tr><tr><td>it has two equal angles</td><td></td></tr></table>	description	type	it has no lines of symmetry	isosceles triangle	it has 1 line of symmetry	scalene triangle	it has no equal angles		it has two equal angles		1		All four lines correct for the mark. Accept any clear indication.
description	type													
it has no lines of symmetry	isosceles triangle													
it has 1 line of symmetry	scalene triangle													
it has no equal angles														
it has two equal angles														
Question	Answer	Marks	Part Marks	Guidance										
12	11	1												

Question	Answer	Marks	Part Marks	Guidance								
13	<table><tr><td>$20 \times 25 \times 2$</td><td></td></tr><tr><td>$15 + 10 \times 25$</td><td>✓</td></tr><tr><td>$10 + 15 \times 25$</td><td></td></tr><tr><td>$15 + 2 \times 50$</td><td></td></tr></table>	$20 \times 25 \times 2$		$15 + 10 \times 25$	✓	$10 + 15 \times 25$		$15 + 2 \times 50$		1		Accept any clear indication.
$20 \times 25 \times 2$												
$15 + 10 \times 25$	✓											
$10 + 15 \times 25$												
$15 + 2 \times 50$												

Question	Answer	Marks	Part Marks	Guidance
14	$\frac{3}{5}$ cao	1		

Question	Answer	Marks	Part Marks	Guidance
15	Shape A has the same area as shape B . Shape B has the same perimeter as shape C .	2	Award 1 mark for each correct sentence.	In each sentence, accept letters in either order.

Question	Answer	Marks	Part Marks	Guidance
16	An explanation that recognises Oliver needs to take more readings between 8 pm and 8 am.	1		Accept using a max/min thermometer. Do not accept only repeating the experiment on a different day.

Question	Answer	Marks	Part Marks	Guidance
17	8 (cm)	1		

Question	Answer	Marks	Part Marks	Guidance
18	$64 \frac{24}{24}$	1		Accept equivalent fractions, $\frac{32}{12}$, $\frac{8}{3}$ e.g. $\frac{32}{12}$, $\frac{8}{3}$ Accept mixed numbers. isw when simplifying following a correct fraction.
Question	Answer	Marks	Part Marks	Guidance
19	14	1		
Question	Answer	Marks	Part Marks	Guidance
20	327 408 572 1572	1		Both answers correct for the mark. Accept any clear indication.
Question	Answer	Marks	Part Marks	Guidance
21	225 (litres)	1		
Question	Answer	Marks	Part Marks	Guidance
22	84	1		

Question	Answer	Marks	Part Marks	Guidance																																																		
23	An answer that includes the numbers for both places, e.g. in Newtown the rainfall was 8 (cm), but in Springfield it was 15 (cm). or An explanation that states Springfield rainfall in June was greater. or An explanation that shows understanding that the scales on the two graphs are different.	1																																																				
24	A correctly completed waffle diagram that shows matching letters in one group and touching, e.g. <table border="1"> <tr> <td>K</td><td>B</td><td>B</td><td>B</td><td>B</td></tr> <tr> <td>A</td><td>A</td><td>A</td><td>O</td><td>O</td></tr> </table>	K	B	B	B	B	A	A	A	O	O	2	Award 1 mark for the correct letters in any positions, e.g. <table border="1"> <tr> <td>K</td><td>A</td><td>A</td><td>A</td><td>O</td></tr> <tr> <td>O</td><td>B</td><td>B</td><td>B</td><td>B</td></tr> </table> or Award 1 mark for the correct number of letters for two or three of the fruit with all correctly grouped, e.g. <table border="1"> <tr> <td>K</td><td>B</td><td>B</td><td>B</td><td>B</td></tr> <tr> <td>A</td><td>A</td><td>O</td><td>O</td><td>O</td></tr> </table>	K	A	A	A	O	O	B	B	B	B	K	B	B	B	B	A	A	O	O	O	Accept any clear indication/shading/patterns, etc. Award SC1 where letters have been placed according to the frequency but correctly grouped. <table border="1"> <tr> <td>K</td><td>B</td><td>B</td><td>B</td><td>B</td></tr> <tr> <td>K</td><td>B</td><td>B</td><td>B</td><td>B</td></tr> <tr> <td>A</td><td>A</td><td>A</td><td>O</td><td>O</td></tr> <tr> <td>A</td><td>A</td><td>A</td><td>O</td><td>O</td></tr> </table>	K	B	B	B	B	K	B	B	B	B	A	A	A	O	O	A	A	A	O	O
K	B	B	B	B																																																		
A	A	A	O	O																																																		
K	A	A	A	O																																																		
O	B	B	B	B																																																		
K	B	B	B	B																																																		
A	A	O	O	O																																																		
K	B	B	B	B																																																		
K	B	B	B	B																																																		
A	A	A	O	O																																																		
A	A	A	O	O																																																		

Question	Answer	Marks	Part Marks	Guidance
25	question	1		Accept any clear indication.
	do you usually practise every week			
	do you usually practise before school or after school			
	how many minutes did you practise yesterday			
	how many minutes do you usually practise every week			✓
Question	Answer	Marks	Part Marks	Guidance
26	$16.4 \times 100 =$	2	Award 1 mark for each correct answer.	
	$213 \div 1000 =$			
Question	Answer	Marks	Part Marks	Guidance
27	176.285	1		
Question	Answer	Marks	Part Marks	Guidance
28	Drawing of a 210° angle.	1		Accept angles of $208-212^\circ$ (inclusive). Do not accept unlabelled angles.

Question	Answer	Marks	Part Marks	Guidance
29	3.05 (kilograms)	1		

Question	Answer	Marks	Part Marks	Guidance
30	7 10 smallest 3 4 1 1 1.02 1.1 largest Accept correct conversions to fractions/decimals, e.g. 0.7, 0.75, 1, 1.02, 1.1 Do not accept misreads or miscopies.	1		

Question	Answer	Marks	Part Marks	Guidance										
31	<table><tr><th>counter</th><th>number in bag</th></tr><tr><td>red</td><td>4</td></tr><tr><td>orange</td><td>1</td></tr><tr><td>yellow</td><td>7</td></tr><tr><td></td><td>.....</td></tr></table>	counter	number in bag	red	4	orange	1	yellow	7			1		
counter	number in bag													
red	4													
orange	1													
yellow	7													
														

Question	Answer			Marks	Part Marks	Guidance
32	pairs of events	mutually exclusive	not mutually exclusive	2	Award 1 mark for three correct events.	Accept any clear indication.
	she spins a 4 she spins a number greater than 5	✓				
	she spins a 4 she spins an even number		✓			
	she spins a 4 she spins a number smaller than 5		✓			
	she spins a 4 she spins a prime number	✓				

Question	Answer	Marks	Part Marks	Guidance
33	(\$)9 (\$)12	2	Award 1 mark for one correct answer (if both numbers are different) or 12 and 9 (correct answers reversed) or a pair of numbers where the second number (for the large stamp) is 3 higher than the first number (for the small stamp) or a pair of numbers where $3x + y = 39$ (where x is the smaller number).	Accept the use of decimals in money notation. Do not accept numbers that are 39 or greater than 39 for this mark.

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Cambridge Primary Checkpoint

MATHEMATICS**0096/02**

Paper 2

May 2026

MARK SCHEME

Maximum Mark: 40

Published

Before they start marking, examiners complete a standardisation process. They review a range of candidate responses and discuss the mark scheme in detail to agree which answers can and cannot be accepted. Examiners award marks where it is clear that candidate responses have met the requirements of the mark scheme. These requirements may vary between different components or different versions of the same component, depending on the exact requirements of the question and the candidate responses seen during the standardisation process.

Sometimes, our mark schemes may allow marks to be awarded to responses which contain elements that are factually incorrect or for content not covered by the curriculum. We do this in response to the demands of a specific question to support candidates and make sure that our assessments are fair. However, these allowances should not be used as a guide for teaching and learning.

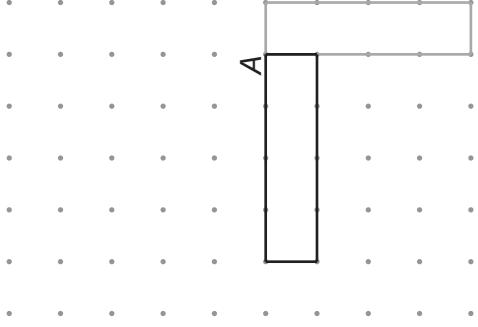
We cannot discuss the mark scheme with schools, and we recommend that schools read the mark scheme together with the assessment material and the Principal Examiner Report for Teachers.

This document has **12** pages.

Mark scheme annotations and abbreviations

FT	follow through after error
SC	special case mark
cao	correct answer only
dep	dependent
isw	ignore subsequent working
nfww	not from wrong working
oe	or equivalent
soi	seen or implied

Question	Answer	Marks	Part Marks	Guidance
1	The ratio 2 : 20 is the same as the ratio 10 :100	1		
Question	Answer	Marks	Part Marks	Guidance
2	27	1		
Question	Answer	Marks	Part Marks	Guidance
3	spin the spinner 5 times and record the results	1		Accept any clear indication.
	spin the spinner 10 times and record the results			
	spin the spinner 100 times and record the results			
	spin the spinner 1000 times and record the results			
✓				
Question	Answer	Marks	Part Marks	Guidance
4	'no' ticked and an explanation recognising that the multiplication should be done first, e.g. 'you need to do 5 × 4 then add 5' or an explanation given by numbers (5 × 4 = 20 and then 20 + 5 = 25) or an explanation that shows the answer should be <u>25</u> , but Eva gets <u>40</u>	1		Accept 'no' ticked with 25 Do not accept answers that only refer to using PEDMAS/BODMAS, etc. without an explanation or 5 + (5 x 4) without a correct answer.

Question	Answer	Marks	Part Marks	Guidance
5	50 (cm ²)	1		
Question	Answer	Marks	Part Marks	Guidance
6	$\frac{11}{9} = \frac{\boxed{11}}{\boxed{9}} \div \boxed{9}$	1		Both answers correct for the mark. Accept equivalent answers, e.g. 22 and 18 If fractions are used, then the numerator and denominator must be integers.
Question	Answer	Marks	Part Marks	Guidance
7		1		Allow slight inaccuracies provided the intention is clear.

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Question	Answer	Marks	Part Marks	Guidance										
8	$3 + 3 + 3$ $1 + 2 + 3 + 4$ $1 + 2 + 4 + 8$ $4 + 4 + 4 + 4$	1		Accept any clear indication.										
Question	Answer	Marks	Part Marks	Guidance										
9(a)	25(%)	1												
9(b)	Accept any two squares shaded, e.g. <table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>											1		Accept slight inaccuracies provided the intention is clear.
Question	Answer	Marks	Part Marks	Guidance										
10	60 and 7	2	Award 1 mark for each correct answer.	Accept in this order only.										
Question	Answer	Marks	Part Marks	Guidance										
11	<table><tr><td>1</td><td>2</td><td>5</td><td>0</td><td>.</td><td>4</td><td>5</td><td>6</td></tr></table>	1	2	5	0	.	4	5	6	1		Accept any clear indication.		
1	2	5	0	.	4	5	6							

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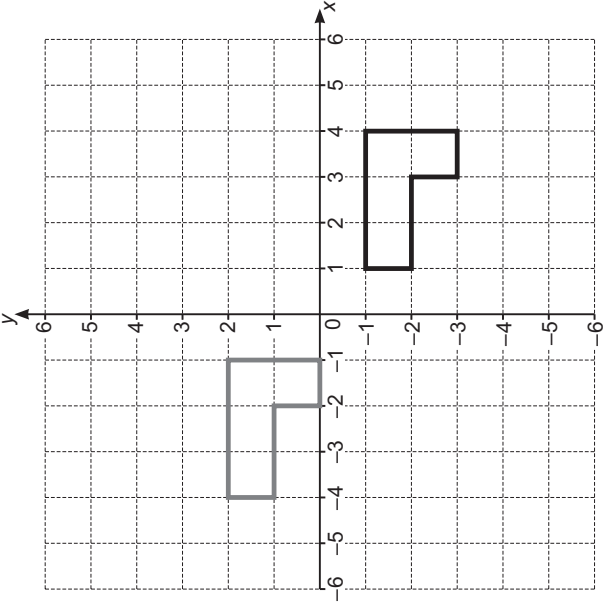
Question	Answer	Marks	Part Marks	Guidance
12	90 (minutes)	1		

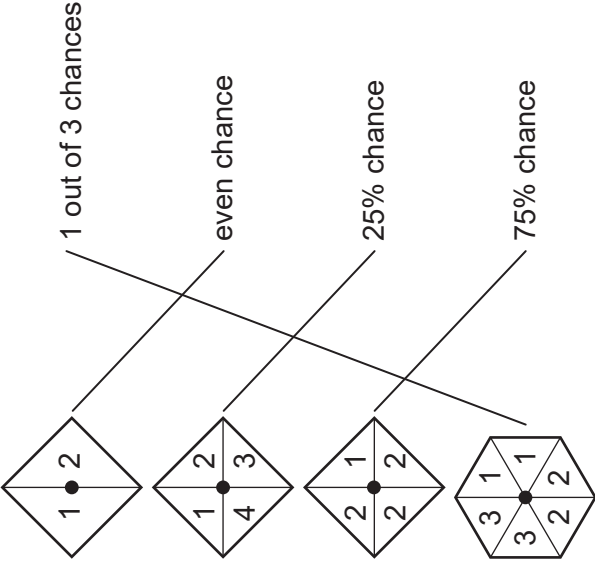
Question	Answer	Marks	Part Marks	Guidance														
13	<table><tr><th>event</th><th>the event is unlikely</th></tr><tr><td>Jamila rolls a 2</td><td>✓</td></tr><tr><td>Jamila rolls an odd number</td><td></td></tr><tr><td>Jamila rolls an even number</td><td></td></tr><tr><td>Jamila rolls a two-digit number</td><td></td></tr><tr><td>Jamila rolls a number greater than 5</td><td>✓</td></tr><tr><td>Jamila rolls a one-digit number</td><td></td></tr></table>	event	the event is unlikely	Jamila rolls a 2	✓	Jamila rolls an odd number		Jamila rolls an even number		Jamila rolls a two-digit number		Jamila rolls a number greater than 5	✓	Jamila rolls a one-digit number		1		Accept any clear indication.
event	the event is unlikely																	
Jamila rolls a 2	✓																	
Jamila rolls an odd number																		
Jamila rolls an even number																		
Jamila rolls a two-digit number																		
Jamila rolls a number greater than 5	✓																	
Jamila rolls a one-digit number																		

Question	Answer	Marks	Part Marks	Guidance
14(a)	5 (kilograms)	1		
14(b)	6 (kilograms)	1		

Question	Answer	Marks	Part Marks	Guidance
15	24 (cm ²)	1		

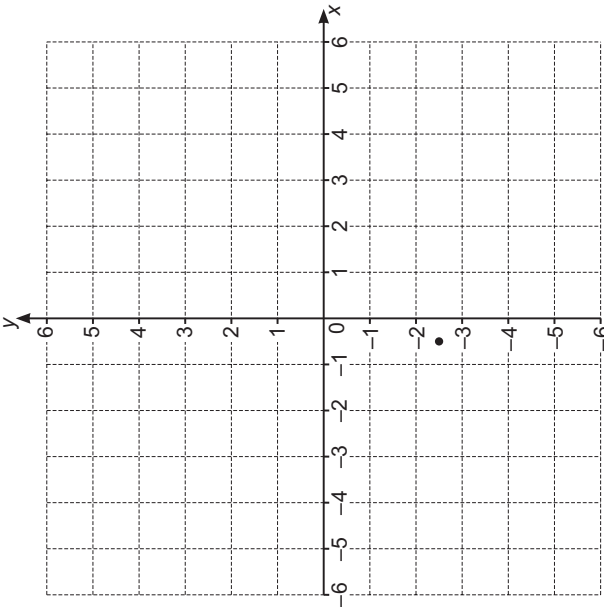
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Question	Answer	Marks	Part Marks	Guidance
16	An explanation that suggests counting the number of 'sides' on the outside of the shape and multiplying the result by 3 e.g. $4 \times 3 \times 2 + 3 \times 3 [= 30]$ or $4 \times 3 + 4 \times 3 + 2 \times 3 [= 30]$ or $10 \times 3 [= 30]$ (adding the total number of 'sides' first)	1		Do not accept 30 (cm) without an explanation.
Question	Answer	Marks	Part Marks	Guidance
17	15 32 42 126 804	1		Accept any clear indication.
Question	Answer	Marks	Part Marks	Guidance
18		1		Accept slight inaccuracies provided the intention is clear.

Question	Answer	Marks	Part Marks	Guidance
19	80, 80, 20 and 80, 50, 50	2	Award 1 mark for one complete set of angles. If 0 marks are awarded, SC1 for at least one triangle where two angles are the same and all three angles add to 180 degrees.	Accept the sets in any position within either triangle. Accept any clear indication.
Question	Answer	Marks	Part Marks	Guidance
20		2	Award 1 mark for three correct lines.	Accept any clear indication.

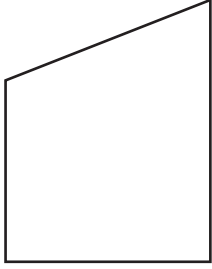
Question	Answer	Marks	Part Marks	Guidance
21	64	1		Do not accept 8^2
Question	Answer	Marks	Part Marks	Guidance
22	☐ ☐ ☐ ☐    	1		Accept any clear indication.
Question	Answer	Marks	Part Marks	Guidance
23	Circle with diameter 7 cm.	1		Accept a diameter measuring 6.8–7.2 cm inclusive. Accept slight inaccuracies provided the intention is clear.

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Question	Answer	Marks	Part Marks	Guidance
24	95.2 99.59 99.95 100.02 100.2 102.22	2	Award 1 mark for one correct number. or Award 1 mark for two correct and only one incorrect number.	Accept any clear indication.
Question	Answer	Marks	Part Marks	Guidance
25		1		Accept a point in the correct square, not touching any of the grid lines.

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Question	Answer	Marks	Part Marks	Guidance
26	–1 and –6	1		Both answers correct for the mark. Accept answers in any order. Do not accept 1– and 6–
Question	Answer	Marks	Part Marks	Guidance
27	order 3 order 2	2	Award 1 mark for each correct answer.	
Question	Answer	Marks	Part Marks	Guidance
28	75 (grams)	2	Award 1 mark for a complete method with arithmetic errors, e.g. <i>175 ÷ 7 = 24 (error)</i> <i>their 25 × 3 = 72</i> or <i>175 ÷ 7 = 25</i> <i>their 25 × 10 = 250</i> <i>their 250 – 175 = 85 (error)</i> or Award 1 mark for finding one sector as 25g or the total of the sectors as 250g nfw.	Implied by a final answer of 25 (not indicated in the pie chart for sugar) or 250g (total amount). Check their working.

Question	Answer	Marks	Part Marks	Guidance
29	50° 60° 70° or 50° 55° 75° or 55° 60° 65°	1		
Question	Answer	Marks	Part Marks	Guidance
30	79 and 41 or 73 and 47	1		
Question	Answer	Marks	Part Marks	Guidance
31	16	1		
Question	Answer	Marks	Part Marks	Guidance
32		1		Accept drawing in any orientation. Accept slight inaccuracies provided the intention is clear.