Cambridge Assessment International Education

Cambridge Primary Checkpoint

MATHEMATICS **0096/01**

Paper 1 **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.

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.

Mark scheme annotations and abbreviations

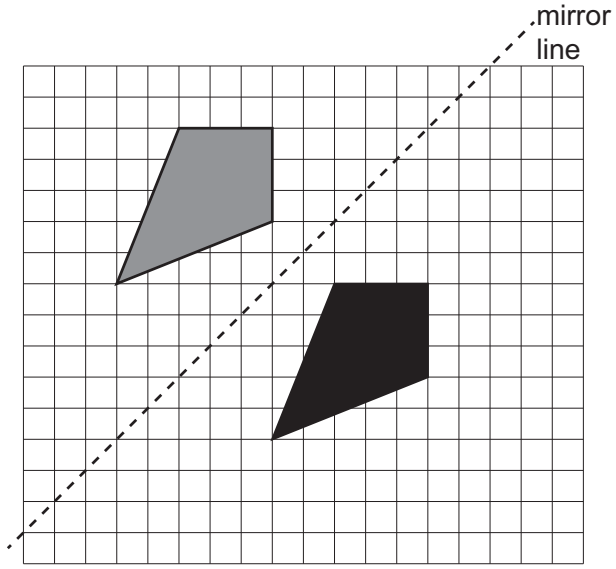
FT	follow through after error
SC	special case mark
cao	correct answer only
isw	ignore subsequent working
nfww	not from wrong working
oe	or equivalent
soi	seen or implied

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.

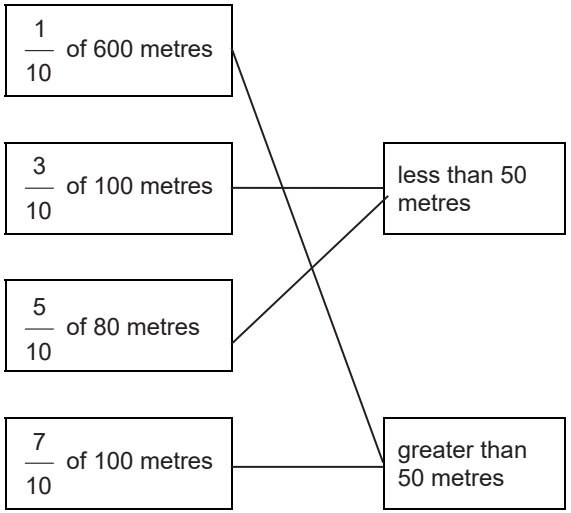
Question	Answer	Marks	Part Marks	Guidance
9	($) 10	**1**		
10	<table><tr><th></th><th>Spelling test results</th></tr><tr><td>(Oliver)</td><td>3 7 5</td></tr><tr><td>(Mike)</td><td>5 5 6</td></tr><tr><td>Pierre</td><td>1 0 5 2 1</td></tr><tr><td>(Carlos)</td><td>5 5 9 5 10</td></tr></table>	**1**		All names correct and no extra. Accept any clear indication.
11	60 (cm^2)	**1**		
12	(2) (3) (4) 5 (6) (8) (9) 10	**2**	Award 1 mark for **four** or **five** correct answers and no incorrect answers.	
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>	**2**	Award 1 mark for **three** correct answers.	Accept any clear indication.

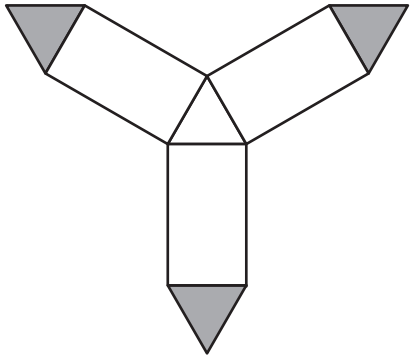
<table>
<tr><th>Question</th><th>Answer</th><th>Marks</th><th>Part Marks</th><th>Guidance</th></tr>
<tr><td>14</td><td>3.57 (metres)</td><td>1</td><td></td><td>Accept equivalent answers with correct units, e.g. 357 cm</td></tr>
<tr><td>15</td><td>
<table>
<tr><th></th><th>Possible</th><th>Impossible</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>
</td><td>1</td><td></td><td>All three answers correct for the mark.

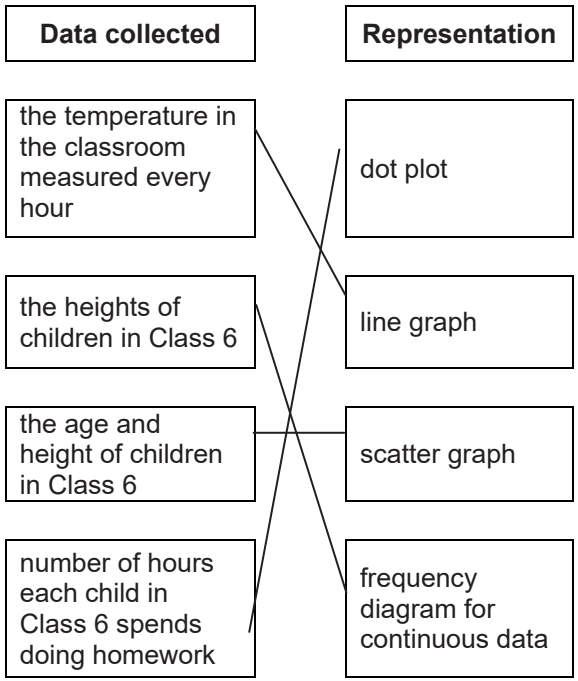
Accept any clear indication, e.g.
<table>
<tr><th>Possible</th><th>Impossible</th></tr>
<tr><td>✓</td><td></td></tr>
<tr><td></td><td>X</td></tr>
<tr><td>✓</td><td></td></tr>
</table>
</td></tr>
<tr><td>16</td><td>No
and
An explanation that states:
• there are 5 sections for more than 3 phones, and this 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.</td><td>1</td><td></td><td>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).</td></tr>
<tr><td>17</td><td>36 (seconds)</td><td>1</td><td></td><td>Do not accept 0.6 minutes</td></tr>
</table>

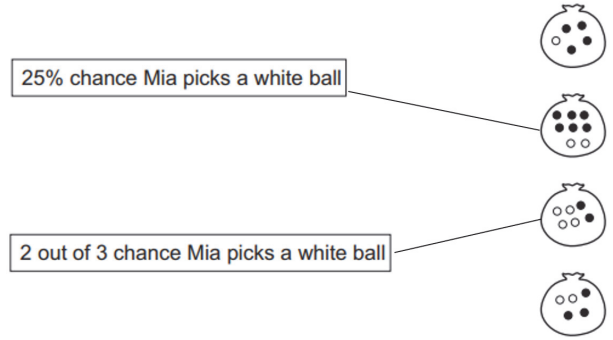
Question	Answer	Marks	Part Marks	Guidance
18	32 (centimetres)	**1**		
19	16800 (oranges)	**2**	Award 1 mark for: sight of 1200 or 70 or 3360 as evidence of a partial correct method with some correct multiplication. **or** a complete correct method containing arithmetic errors.	Accept 5 x 240 x 14 with 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>	**1**		Accept any clear indication.
22	28 (cakes)	**1**		

Question	Answer	Marks	Part Marks	Guidance
23		**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.

Question	Answer	Marks	Part Marks	Guidance
25		**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	$\frac{2}{15}$ 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	$\frac{\boxed{2}}{3} + \frac{\boxed{2}}{5} = \frac{16}{15}$	**1**		Accept negative and decimal alternatives.
31	84.7	**1**		
32		**1**		Both lines correct for the award of the mark. Do **not** allow if additional lines are drawn.

<table>
<tr><th>Question</th><th>Answer</th><th>Marks</th><th>Part Marks</th><th>Guidance</th></tr>
<tr><td>33</td><td>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)</td><td>1</td><td></td><td>Do not accept ‘Yes’ and a statement saying -2 will be in the sequence without mathematical evidence.</td></tr>
<tr><td>34</td><td><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></td><td>1</td><td></td><td>All three correct for the mark.</td></tr>
</table>