Cambridge Assessment International Education

Cambridge Primary Checkpoint

MATHEMATICS **0845/01**

Paper 1 **October 2021**

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 **11** pages.

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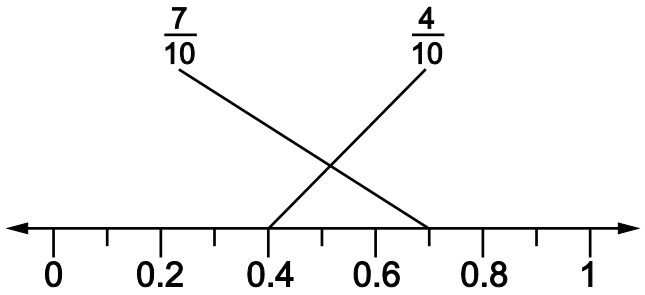
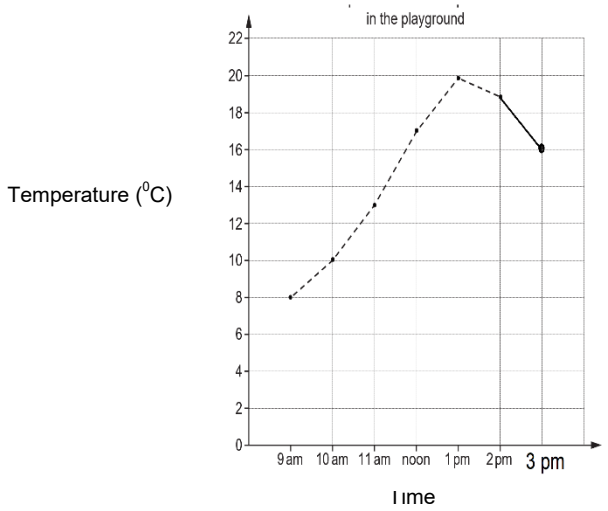
Mark scheme annotations and abbreviations

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

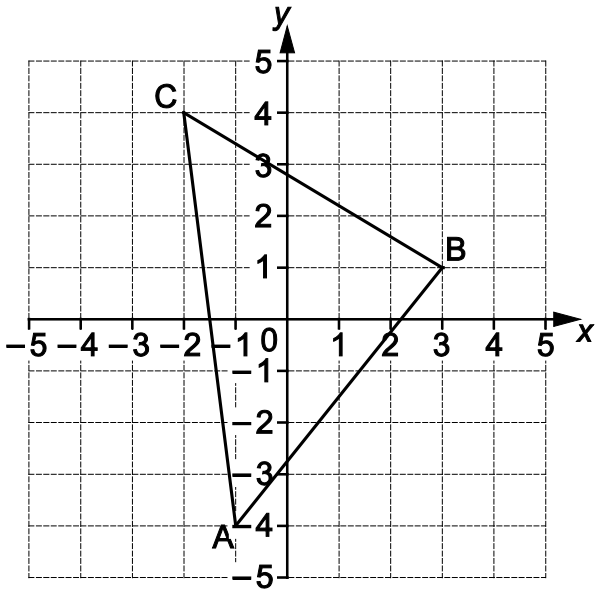
Question	Answer	Marks	Further Information
1	($) 350	**1**	
2		**1**	Both lines must be correct for 1 mark. Allow lines to any point on the correct mark e.g.  Allow any clear indication e.g. fractions written in correct position on the number line.
3	6507 N.B. Changed layout 4457	**2**	Both required in this order.
	1 correct answer	**B1**	
4	5 north 1 east 2 north **8 west** **3 south** **4 east** **2 south** **3 east** **2 south**	**2**	Allow clear abbreviations.
	3 or more correct entries (number **and** direction)	**B1**	In the correct order.
	1 column correct (numbers **or** directions)	**B1**	Award only one B1 mark

<table>
<tr><th>Question</th><th>Answer</th><th>Marks</th><th>Further Information</th></tr>
<tr><td rowspan="3">5</td><td>
<table>
<tr><th></th><th>Striped tops</th><th>Not striped tops</th></tr>
<tr><td>White shorts</td><td>F</td><td>A
C</td></tr>
<tr><td>Not white shorts</td><td>D</td><td>E
B</td></tr>
</table>
</td><td>2</td><td>Award 2 marks for all 6 letters correct.</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>3, 4 or 5 letters correct.</td><td>B1</td><td></td></tr>
<tr><td>6</td><td>7101</td><td>1</td><td>Do not accept -7101</td></tr>
<tr><td rowspan="2">7</td><td>Length = 20 (cm)
and
Height – 15 (cm)
N.B. Changed layout</td><td>2</td><td>Length and height in correct order.</td></tr>
<tr><td>1 correct answer
or
reverse order
N.B. Changed layout</td><td>B1</td><td></td></tr>
<tr><td>8</td><td>30 (cm)</td><td>1</td><td></td></tr>
</table>

Question	Answer	Marks	Further Information
9	30 (kg)	**2**	
	Correct method $\frac{1}{2}$ x (40 + $\frac{1}{2}$ x 40)	**M1**	Accept any number of arithmetic errors.
	Sight of 60 (kg) so long as not supported by incorrect working.	**B1**	Award M1 or B1 but not both.
10	Isosceles triangle	**1**	Both words required Accept any clear misspelling. Do not allow equilateral triangle.
11	458 (sheets of paper)	**2**	
	312 + 646 - 500 = wrong answer	**M1**	Correct method with arithmetical errors.

Question	Answer	Marks	Further Information
12 (a)	Graph to show the temperature in the playground  		Point must be plotted correctly and 3pm added to the horizontal axis for one mark.
(b)	11am **and** noon	**1**	Both answers must be correct. Accept equivalent ways of writing the time.
13 (a)	06:38	**1**	Accept 6.38am but not 6.38 pm Accept any clear indication of the correct train e.g. selecting the train that arrives at King Square at 7:23
(b)	07:55	**1**	Accept 7.55am but not 7.55 pm

Question	Answer	Marks	Further Information
14	14 21 36 47 (56)	**1**	
15	–10, –7, –3, –1, 8	**1**	
16	300 304	**1**	
17	252	**2**	
	Evidence of a correct method e.g. (14 x 10) + (14 x 8)	**M1**	Accept arithmetic errors.
18	3.4, 3.14, 3.01, 1.3, 1.04	**1**	
19	1.15 (m)	**1**	Accept answers in the range 1.13 m to 1.17 m inclusive.

Question	Answer	Marks	Further Information
20	(−1, −4) **and**  	**2**	If triangle not completed do not accept if C not labelled and points in addition to (-2, 4) are plotted.
	1 correct answer	**B1**	

Question	Answer	Marks	Further Information
21	7250 [÷ 1000] = 7.25 7025 [x 100] = 702 500 7520 [÷ 100] = 75.2 7205 [x 1000] = 7 205 000	**2**	
	2 or 3 correct	**B1**	
22	$9\frac{2}{5}$ ✓ 9.2 ☐ 9.4 ✓ $9\frac{2}{9}$ ☐	**1**	Both must be correct for the award of the mark.
23	Hassan 1.9 **and** Youssef 7.6	**2**	Do **not** accept answers in reverse.
	1 correct answer	**B1**	

Question	Answer	Marks	Further Information
24	$4 \times (\boxed{40} - 15) = 160 - \boxed{60}$ $= 100$	**2**	Both boxes correct.
	1 box correct	**B1**	
25	299 together with an explanation **using the given facts**, e.g. an explanation that shows how the total of 13 can be made, using **only the given number facts**, e.g. • 8 + 3 + 2 = 13 • 8 + 2 + 1 + 1 + 1 = 13 • 8 + 8 – 3 = 13 **or** an explanation that uses **only given totals**, e.g. • 184 + 69 + 46 = 299 • 184 + 46 + 23 + 23 + 23 = 299 • (2 × 184) – 69 = 299	**2**	All answers must use more than one number fact.
	A correct method using the given number facts but containing arithmetic errors.	**M1**	
	299 without appropriate working e.g. 299 calculated by long multiplication or repeated addition	**B1**	

Question	Answer	Marks	Further Information
26	20% of 65 circled **and** 20% of 65 is 13 and 25% of 50 is 12.5		Do **not** accept correct calculation circled without the correct working Do **not** award a mark for stating that 20% of 65 is larger than 25% of 50 without evaluating this. Allow mark if correct working shown for: 20% of 65 = 13 and 25% of 50 = 12½ but no amount labelled in 1st line with no contradictory statement.