



Cambridge International Examinations
Cambridge Primary Checkpoint

MATHEMATICS

0845/02

Paper 2

October 2015

MARK SCHEME

Maximum Mark: 40

IMPORTANT NOTICE

Mark Schemes have been issued on the basis of **one** copy per Assistant examiner and two copies per Team Leader.

This document consists of **11** printed pages and **1** blank page.

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Question number	1		
Part	Mark	Answer	Further Information
(a)	1	28 and 46	
(b)	1	43 and 52	
Total	2		

Question number	2		
Part	Mark	Answer	Further Information
(a)	1	16 and 22	
(b)	1	5, 1 and -1	
Total	2		

Question number	3		
Part	Mark	Answer	Further Information
	1	290 (°)	
Total	1		

Question number	4		
Part	Mark	Answer	Further Information
	1	$\frac{6}{10}$	Accept equivalent fractions such as $\frac{3}{5}$ or $\frac{60}{100}$
Total	1		

3

Question number	5			
Part	Mark	Answer		Further Information
	2	352	354	Award 2 marks for 6 correct numbers with no additional incorrect numbers. Award 1 mark for 6 correct numbers with any number of additional numbers. OR 4 or 5 correct numbers with/without additional numbers.
		423	425	
		432	435	
Total	2			

Question number	6			
Part	Mark	Answer		Further Information
	1	<div style="border: 1px solid black; padding: 5px; display: inline-block;">$\frac{1}{2}$ of 56</div> 22		
		<div style="border: 1px solid black; padding: 5px; display: inline-block;">$\frac{1}{3}$ of 78</div> 23		
		<div style="border: 1px solid black; padding: 5px; display: inline-block;">$\frac{1}{4}$ of 92</div> 24		
		<div style="border: 1px solid black; padding: 5px; display: inline-block;">$\frac{1}{5}$ of 125</div> 25		
			26	
			27	
			28	
Total	1			

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Question number	7												
Part	Mark	Answer	Further Information										
	2	<table border="1"> <tr> <td>$\frac{3}{4}$</td> <td>✓</td> <td></td> </tr> <tr> <td>0.05</td> <td></td> <td>✓</td> </tr> <tr> <td>$\frac{34}{100}$</td> <td></td> <td>✓</td> </tr> </table>	$\frac{3}{4}$	✓		0.05		✓	$\frac{34}{100}$		✓	Award 1 mark for two correct ticks.	
$\frac{3}{4}$	✓												
0.05		✓											
$\frac{34}{100}$		✓											
Total	2												

Question number	8			
Part	Mark	Answer	Further Information	
	1	60 × 21 in either order		
Total	1			

Question number	9			
Part	Mark	Answer	Further Information	
	1	42.5 (cm)		
Total	1			

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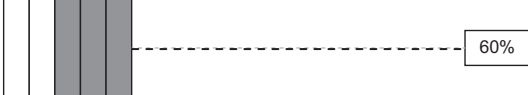
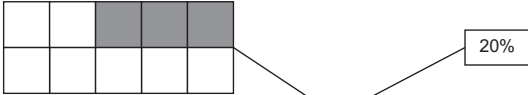

Question number	10		
Part	Mark	Answer	Further Information
(a)	1		
(b)	1	2 squares to the right and 3 squares down or 3 squares down and 2 squares to the right.	
Total	2		

Question number	11		
Part	Mark	Answer	Further Information
	1	44 (bags)	
Total	1		

6

Question number	12		
Part	Mark	Answer	Further Information
	1	No AND An explanation that numbers in the sequence always end in 1 <u>or</u> 6 or An explanation that numbers in the 5 times table always end in 0 or 5 or An explanation that correctly identifies that the starting number of the sequence needs to be 0 or a multiple of 5 or An explanation that the numbers in the sequence are always 1 more than a multiple of 5	
Total	1		

Question number	13		
Part	Mark	Answer	Further Information
	1	0.8 <input type="text" value="1.1"/> 1.4 <input type="text" value="1.7"/>	
Total	1		

Question number	14		
Part	Mark	Answer	Further Information
	1	   	
Total	1		

Question number	15		
Part	Mark	Answer	Further Information
(a)	1	15 (km)	
(b)	1	Any explanation that shows he had stopped, for example: Having a rest Stopped to mend a puncture	
Total	2		

Question number	16		
Part	Mark	Answer	Further Information
	2	$<$ $>$ $=$ $=$	For 1 mark any 3 answers must be correct.
Total	2		

8

Question number	17		
Part	Mark	Answer	Further Information
	1	⑦ 9 10 ⑪ 15 ⑰	
Total	1		

Question number	18		
Part	Mark	Answer	Further Information
	1	$\frac{1}{2} = \frac{3}{6}$ or $\frac{2}{1} = \frac{6}{3}$ or $\frac{1}{3} = \frac{2}{6}$ or $\frac{3}{1} = \frac{6}{2}$ or $\frac{2}{3} = \frac{4}{6}$ or $\frac{3}{2} = \frac{6}{4}$ or $\frac{2}{4} = \frac{3}{6}$ or $\frac{4}{2} = \frac{6}{3}$	
Total	1		

Question number	19		
Part	Mark	Answer	Further Information
	1	(\$) 6.40	
Total	1		

9

Question number	20		
Part	Mark	Answer	Further Information
(a)	1	12 (edges)	
(b)	1	8 (vertices)	
Total	2		

Question number	21		
Part	Mark	Answer	Further Information
(a)	1	68 (minutes)	
(b)	1	Cecity	
Total	2		

Question number	22		
Part	Mark	Answer	Further Information
(a)	1		
(b)	1	(isosceles) trapezium	<p>If the shape plotted in (a) is not a trapezium then “trapezium” should not be awarded a mark.</p> <p>If the shape plotted in (a) is a quadrilateral which is correctly named, one mark should be awarded.</p>
Total	2		

Question number	23		
Part	Mark	Answer	Further Information
(a)	1	11	
(b)	1	38	
Total	2		

Question number	24		
Part	Mark	Answer	Further Information
	2	$ \begin{array}{r} \boxed{3} \boxed{5} \boxed{3} \boxed{7} \\ - \quad \boxed{8} \boxed{4} \boxed{4} \boxed{8} \\ \hline \boxed{2} \boxed{6} \boxed{9} \boxed{2} \boxed{2} \end{array} $	For 1 mark accept any 3 or 4 correct values.
Total	2		

Question number	25		
Part	Mark	Answer	Further Information
	2	28 (pens)	Award 1 mark for evidence of a complete method. e.g. $(12 \div 3) \times 7$ or for sight of 40 indicating total number of pens.
Total	2		

Question number	26		
Part	Mark	Answer	Further Information
(a)	1	6	
(b)	1	4 (%)	
Total	2		

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