Cambridge Primary Checkpoint

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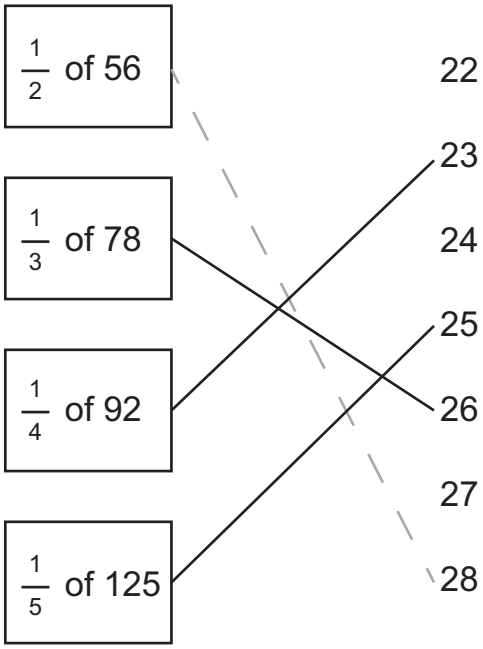
Question number	1		
Part	**Mark**	**Answer**	**Further Information**
(a)	1	28 **and** 46	
(b)	1	43 **and** 52	
Total	**2**		

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**		

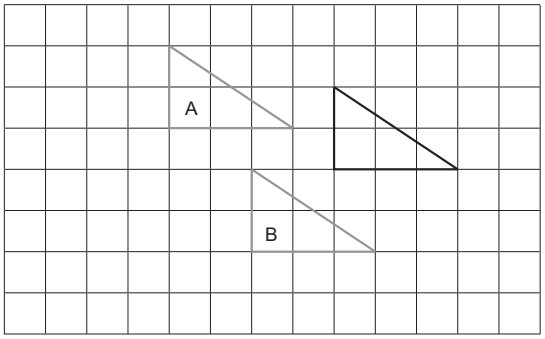
Question number	5		
Part	**Mark**	**Answer**	**Further Information**
	2	352 354 423 425 432 435	Award 2 marks for 6 correct numbers with no additional incorrect numbers. Award 1 mark for 6 correct numbers with any number of additional numbers. OR 4 or 5 correct numbers with/without additional numbers.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

Question number	6		
Part	**Mark**	**Answer**	**Further Information**
	1		
Total	**1**		

Question number	7		
Part	**Mark**	**Answer**	**Further Information**
	2	$\frac{3}{4}$ ✓ 0.05 ✓ $\frac{34}{100}$ ✓	Award 1 mark for two correct ticks.
Total	**2**		

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

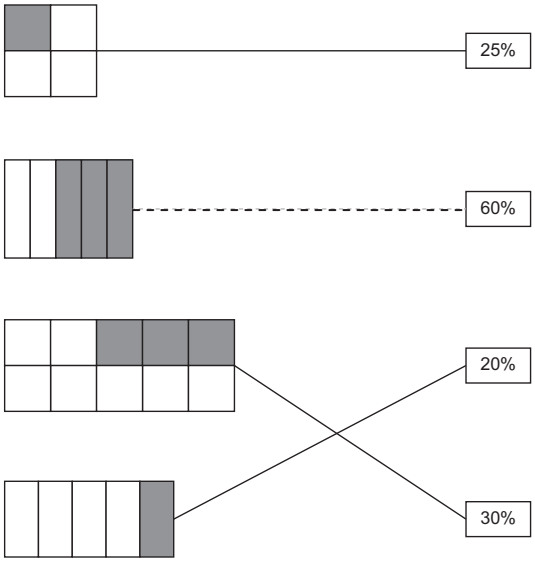
Question number	9		
Part	**Mark**	**Answer**	**Further Information**
	1	42.5 (cm)	
Total	**1**		

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**		

Question number	12		
Part	**Mark**	**Answer**	**Further Information**
	1	No AND An explanation that numbers in the sequence always end in 1 or 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 [1.1] 1.4 [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**		

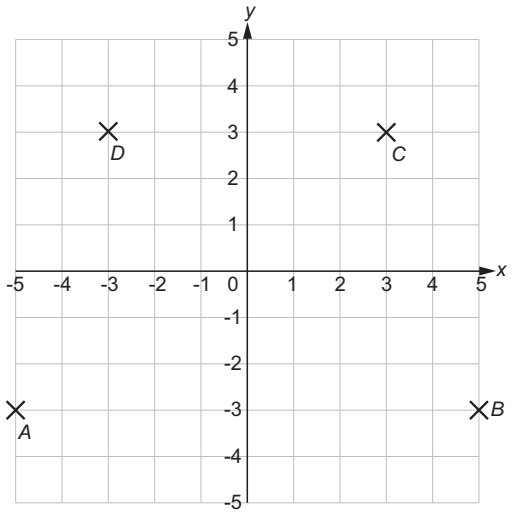
Question number	17		
Part	**Mark**	**Answer**	**Further Information**
	1	(7) 9 10 (11) 15 (17)	
Total	**1**		

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**		

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	If the shape plotted in **(a)** is not a trapezium then "trapezium" should not be awarded a mark. If the shape plotted in **(a)** is a quadrilateral which is correctly named, one mark should be awarded.
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	3 5 3.7 — 8 4.4 8 2 6 9.2 2	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 ÷ 3) × 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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