Cambridge International Examinations
Cambridge Primary Checkpoint

MATHEMATICS **0845/01**

Paper 1 **April 2016**

MARK SCHEME

Maximum Mark: 40

IMPORTANT NOTICE

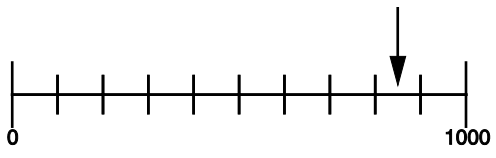
Mark Schemes have been issued on the basis of **one** copy per Assistant examiner and two copies per Team Leader.

IB16 05_0845_01/3RP

Question number	1		
Part	**Mark**	**Answer**	**Further Information**
	1	(105) (150) 501 551 (555)	
Total	**1**		

Question number	2		
Part	**Mark**	**Answer**	**Further Information**
	1	(35 + 65) (47 + 53) 21 + 89 (88 + 12) 36 + 54	
Total	**1**		

Question number	3		
Part	**Mark**	**Answer**	**Further Information**
	1	12 (shells)	
Total	**1**		

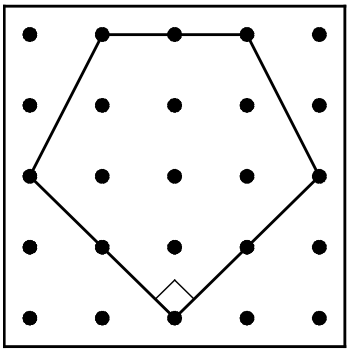
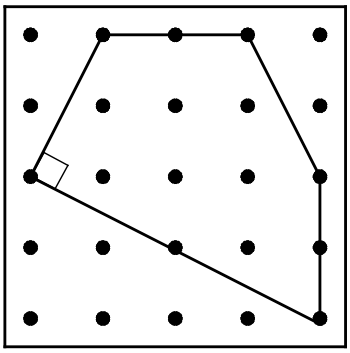
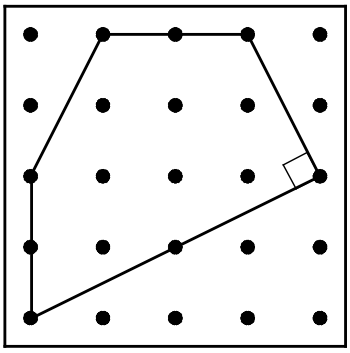
Question number	4		
Part	**Mark**	**Answer**	**Further Information**
	1		
Total	**1**		

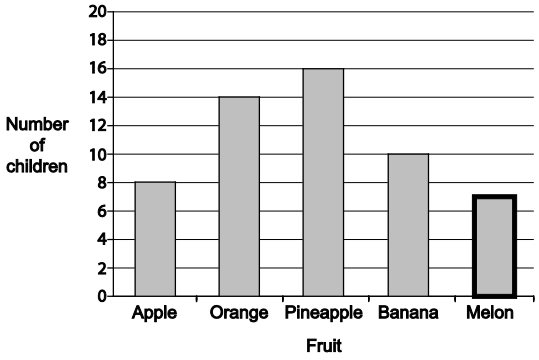
Question number	5		
Part	**Mark**	**Answer**	**Further Information**
	1	$\frac{8}{8}$ $\frac{5}{8}$ $\frac{3}{8}$ $\frac{2}{8}$	
Total	**1**		

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

Question number	7		
Part	**Mark**	**Answer**	**Further Information**
	1	7 (teams)	
Total	**1**		

Question number	8		
Part	**Mark**	**Answer**	**Further Information**
	1	a c b	
Total	**1**		

Question number	9		
Part	**Mark**	**Answer**	**Further Information**
	2	 or  or  Right angle does not need to be identified.	For one mark, accept any pentagon with dots at vertices.
Total	**2**		

Question number	10		
Part	**Mark**	**Answer**	**Further Information**
(a)	1		
(b)	1	55	
Total	**2**		

Question number	11		
Part	**Mark**	**Answer**	**Further Information**
	1	2800	
Total	**1**		

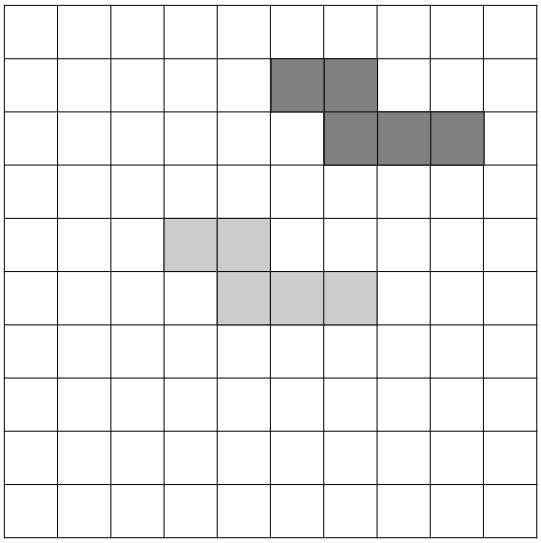
Question number	12		
Part	**Mark**	**Answer**	**Further Information**
	1	9th (birthday)	
Total	**1**		

Question number	13		
Part	**Mark**	**Answer**	**Further Information**
	1	0.6 (0.7) 0.5 0.2 (0.3)	
Total	**1**		

Question number	14		
Part	**Mark**	**Answer**	**Further Information**
	1	Accept any of the following answers: 72.3 > 65.4 72.3 > 64.5 72.4 > 65.3 72.4 > 63.5 72.5 > 64.3 72.5 > 63.4	
Total	**1**		

Question number	15		
Part	**Mark**	**Answer**	**Further Information**
	1	(7,6)	Do not accept (6, 7) Do not accept $x = 7$ or $y = 6$
Total	**1**		

Question number	16		
Part	**Mark**	**Answer**	**Further Information**
	1	33 400	
Total	**1**		

Question number	17		
Part	**Mark**	**Answer**	**Further Information**
	1		Shape does not need to be shaded.
Total	**1**		

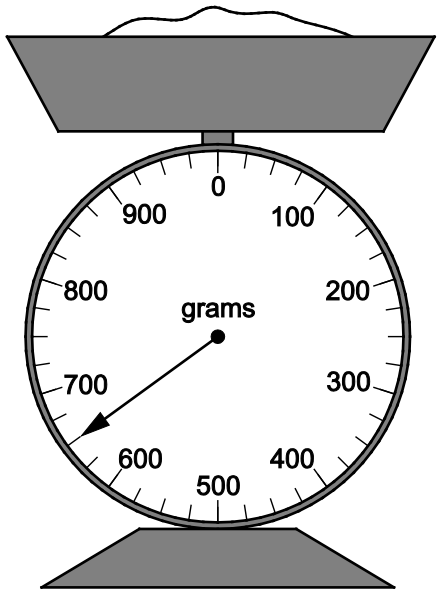
Question number	18		
Part	**Mark**	**Answer**	**Further Information**
	1	8.07 (8.8) (9.45) 8.2 9.54 (8.54)	
Total	**1**		

Question number	19		
Part	**Mark**	**Answer**	**Further Information**
	1	6300	Accept any number between 6200 and 6400 inclusive.
Total	**1**		

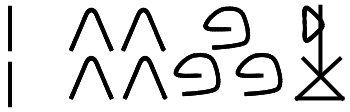
Question number	20		
Part	**Mark**	**Answer**	**Further Information**
	1	40 (%)	
Total	**1**		

Question number	21		
Part	**Mark**	**Answer**	**Further Information**
	1	966 (bricks)	
Total	**1**		

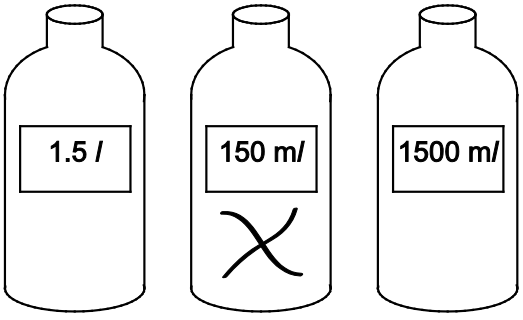
Question number	22		
Part	**Mark**	**Answer**	**Further Information**
	1	71.2	
Total	**1**		

Question number	23		
Part	**Mark**	**Answer**	**Further Information**
	1	 Arrow points to 650 grams	
Total	**1**		

Question number	24		
Part	**Mark**	**Answer**	**Further Information**
	1	900	Do not accept $900.
Total	**1**		

Question number	25		
Part	**Mark**	**Answer**	**Further Information**
(a)	1	2736	
(b)	1		
Total	**2**		

Question number	26		
Part	**Mark**	**Answer**	**Further Information**
	1	2.74	
Total	**1**		

Question number	27		
Part	**Mark**	**Answer**	**Further Information**
	1		
Total	**1**		

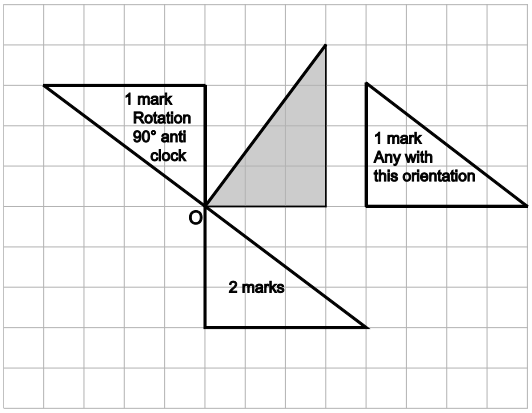
Question number	28		
Part	**Mark**	**Answer**	**Further Information**
(a)	1	9 (grams)	Do not accept 6–15.
(b)	1	11 (grams)	
Total	**2**		

Question number	29		
Part	**Mark**	**Answer**	**Further Information**
	1	$\frac{2}{4} = 0.5$ **or** $\frac{2}{5} = 0.4$ **or** $\frac{4}{5} = 0.8$ **or** $\frac{8}{2} = 4.0$ **or** $\frac{8}{4} = 2.0$ **or** $\frac{4}{8} = 0.5$	Do not accept a blank box to represent zero.
Total	**1**		

Question number	30		
Part	**Mark**	**Answer**	**Further Information**
	1	14 (cm^2)	
Total	**1**		

Question number	31		
Part	**Mark**	**Answer**	**Further Information**
(a)	1	($)3.47	
(b)	1	($)6.53	Allow follow through mark for 10 – *their* **(a)** evaluated correctly.
Total	**2**		

Question number	32		
Part	**Mark**	**Answer**	**Further Information**
	1	8 (°C) **and** – 4 (°C)	Either order Do not accept 4 – (°C)
Total	**1**		

Question number	33		
Part	**Mark**	**Answer**	**Further Information**
	2		Award 1 mark for a triangle rotated 90° clockwise about a different point or Award 1 mark for a triangle rotated 90° anti-clockwise about O.
Total	**2**		

Question number	34		
Part	**Mark**	**Answer**	**Further Information**
	1	Explanations that show that 390 must be halved, for example: 13 × 15 = half of 26 × 15 The answer is not essential.	Do not accept 195 without a correct explanation. Do not accept an answer which carries out the long multiplication 13 × 15 with no reference to 26 × 15 = 390
Total	**1**		