Mark Scheme (Results)

Summer 2019

Pearson Edexcel iPrimary Mathematics
Year 6 Mathematics (JMA11) Paper 01

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

iPrimary JMA11 2019
Mark Scheme

Section A

Question number	Answer	Mark
1	D -2	(1)

Question number	Answer	Mark
2	C $\frac{7}{12}$	(1)

Question number	Answer	Mark
3	B Cuboid	(1)

Question number	Answer	Mark
4	A 2928	(1)

Question number	Answer	Mark
5	C 65	(1)

Question number	Answer	Mark
6	C 30cm	(1)

Question number	Answer	Mark
7	D $\frac{3}{6} + \frac{1}{2}$	(1)

Question number	Answer	Mark
8	D 250cm	(1)

Question number	Answer	Mark
9	C 36	(1)

Question number	Answer	Mark
10	B Theme park	(1)

Question number	Answer	Mark
11	D 9	(1)

Question number	Answer	Mark
12	C 77	(1)

Question number	Answer	Mark
13	B 3600	(1)

Question number	Answer	Mark
14	B 42	(1)

Question number	Answer	Mark
15	B 48	(1)

Question number	Answer	Mark
16	D Z	(1)

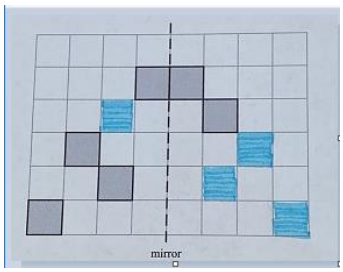
Question number	Answer	Mark
17	A 62	(1)

Question number	Answer	Mark
18	A 63°	(1)

Question number	Answer	Mark
19	B $34\ \frac{1}{5}$	(1)

Question number	Answer	Mark
20	C 16.36 + 8.79	(1)

Section B

Question number	Answer	Notes	Mark
21	Correct pattern 	B1	(1)

Question number	Answer	Notes	Mark
22 (a)	2.4	B1 correct answer	(1)

Question number	Answer	Notes	Mark
22 (b)	4800	B1 correct answer Or B1 ft from their answer in (a)	(1)

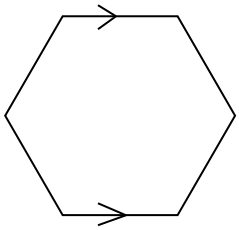
Question number	Answer	Notes	Mark
23	**Correctly joined decimals to fraction:** 0.2 → 1/5 0.3 → 3/10 (0.5 → ½) 0.6 → 3/5 0.75 → ¾	B2 all correctly joined B1 for 2 or more correctly joined Do not count anything joined to more than one	**(2)**

Question number	Answer	Notes	Mark
24 (a)	**30**	B1	**(1)**

Question number	Answer	Notes	Mark
24 (b)	200	M1 fully correct method Eg.320 ÷ 8 AND "40"x5 **or** 40 or 1600 seen A1 cao	**(2)**

Question number	Answer	Notes	Mark
25	8:08	B1	**(1)**

Question number	Answer	Notes	Mark
26	Eden 250 Louis 200	M1 50 seen or one correct answer A1 cao SCB1: Eden 200 and Louis 250	**(2)**

Question number	Answer	Notes	Mark
27 (a)	Correct pair of parallel sides e.g. 	B1	**(1)**

Question number	Answer	Notes	Mark
27 (b)	Isosceles	B1	**(1)**

Question number	Answer	Notes	Mark
27 (c)	Diameter	B1	**(1)**

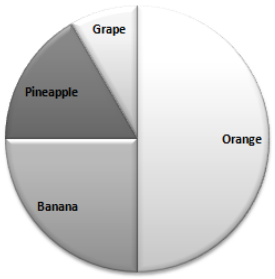
Question number	Answer	Notes	Mark
27 (d)	130	B1	**(1)**

Question number	Answer	Notes	Mark
28 (a)	$\frac{3}{20}$ oe	B1	**(1)**

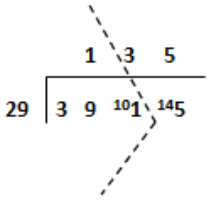
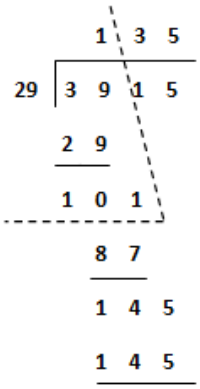
Question number	Answer	Notes	Mark
28 (b)	$\frac{2}{12}$ oe	B1	**(1)**

Question number	Answer	Notes	Mark
29 (a)	28	B1	**(1)**

Question number	Answer	Notes	Mark
29 (b)	9	B1	**(1)**

Question number	Answer	Notes	Mark
30	Correct pie chart  **Orange: 180°,50% or 0.5 or ½** **Banana: 90°,25% or 0.25 or ¼** **Pineapple: 60°,16.67% or 0.167 or 1/6** **Grape: 30°,8.33% or 0.833 or 1/12**	B3 fully correct B2 for at least 2 correct sections **OR** all values seen, linked to correct fruits B1 for one correct section **OR** one correct value seen linked to correct fruit Accept: 17% for Pineapple and 8% for Grape	**(3)**

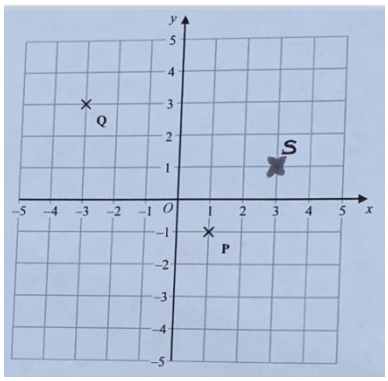
Question number	Answer	Notes	Mark
31 (a)	**119816**	M1 for correct method to multiply with no PV error (accept arithmetic errors) **or** 14096 and 105720 seen, as a minimum (or jottings from another method). A1 (Dep M1) 3 5 2 4 x 3 4 1 0 5 7 2 0 1 4 0 9 6 1 1 9 8 1 6	**(2)**

Question number	Answer	Notes	Mark
31 (b)	135	M1 for correct first step of a complete method A1 (Dep M1) Short Division 1st Step method  Long Division 1st Step method  	**(2)**

Question number	Answer	Notes	Mark
32 (a)	$\boldsymbol{12x - 6}$	B1 Accept: $-6 + 12x$	**(1)**

Question number	Answer	Notes	Mark
32 (b)	$\boldsymbol{14a + 3b}$	M1 for $8a + 12b$ **or** $6a - 9b$ **or** $14a$ **or** $3b$ A1 cao	**(2)**

Question number	Answer	Notes	Mark
32 (c)	**7**	B1	**(1)**

Question number	Answer	Notes	Mark
33 (a)	Point S plotted at (3, 1)  	B1	**(1)**

Question number	Answer	Notes	Mark
33 (b)	(-1, 5)	B1	**(1)**

Question number	Answer	Notes	Mark
34 (a)	1, 2, 3, 6, 9, 18, 27, 54	B2 All correct factors with no incorrect B1 at least 4 correct factors with no more than 1 incorrect	**(2)**

Question number	Answer	Notes	Mark
34 (b)	6	B1	**(1)**

Question number	Answer	Notes	Mark
34 (c)	2×3^3	M1 2, 3, 3, 3 listed **or** in a factor tree etc A1 Accept: 2 x 3 x 3 x 3	**(2)**

Question number	Answer	Notes	Mark
35	70cm x 50cm **OR** 0.7m x 0.5m **OR** 75cm x 50cm **OR** 0.75m x 0.5m	M1 50 x 4 (=200) or 0.5 x 4 (=2) or 50 x 5 (=250) or 0.5 x 5 (=2.5) M1 for complete method to find the size of the second stone. Eg 550-'200' (=350); '350'/5 (=70) 5.5-'2' (=3.5); 3.5/'5' (=0.7) 550-'250' (=300); '300'/4 (=75) 5.5-'2.5' (=3); '3'/4 (=0.75) A1 (Dep M1) Condone missing units	**(3)**

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