# Mark Scheme (Results)

# Summer 2017

Pearson Edexcel In Primary Mathematics Year 6 (JMA01/01)

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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.

## Section A

| Question number | Answer | Mark |
| --- | --- | --- |
| 1 | A | 1 |
| 2 | C | 1 |
| 3 | B | 1 |
| 4 | A | 1 |
| 5 | D | 1 |
| 6 | C | 1 |
| 7 | A | 1 |
| 8 | C | 1 |
| 9 | B | 1 |
| 10 | C | 1 |
| 11 | A | 1 |
| 12 | D | 1 |
| 13 | C | 1 |
| 14 | C | 1 |
| 15 | B | 1 |
| 16 | B | 1 |
| 17 | B | 1 |
| 18 | D | 1 |
| 19 | B | 1 |
| 20 | C | 1 |

## Section B

| Question number | Working | Answer | Mark | Notes |
|---|---|---|---|---|
| **21**<br>**i)** | | 39 | 2 | B1 |
| **ii)** | | 82 | | B1 |
| **22** | | 55° | 1 | B1 |
| **23** | | 14 | 1 | B1 |
| **24**<br>**i)** | | 5/20 oe | 2 | B1 |
| **ii)** | | 3/5 oe | | B1 |
| **25**<br>**i)** | | 5 | 3 | B1 |
| **ii)** | | 6 | | B1 |
| **iii)** | | 8 | | B1 |
| **26**<br>**a)** | | 89mm | 3 | B1 |
| **b)** | | 6.4cm | | B1 |
| **c)** | | 25mm / 2.5cm | | B1 answer in the range 22-28mm (2.5 – 2.8cm) |
| **27** | | 5.03 | 1 | B1 |
| **28**<br>**i)** | | 7/4 | 2 | B1 |
| **ii)** | | 2  3/11 | | B1 |
| **29** | | **7** squares **Right**<br><br>**4** squares **Up** | 2 | B1<br><br>B1 |
| **30** | | | 2 | B2 Fully correct chart including scales<br><br>Award B1 for correct scales |

| | | | | Or 4 correct bars |
|---|---|---|---|---|
| **31** | | 10 | 2 | M1 for rounding 83.1 to 80 or 7.83 to 8<br><br>A1<br><br>NB: where candidates have rounded both numbers to nearest 10 (83.1 to 80 and 7.83 to 10)<br>Award 2 marks |
| **32** | | Pentagon | 2 | B2 for fully correct pentagon with correct vertices<br><br>Award B1 for at least 3 points correctly plotted and 'their' points joined |
| **33** | | 19 cm$^2$ | 2 | B1   19<br><br>B1   cm$^2$ |
| **34**<br>**i)**<br><br>**ii)**<br><br>**iii)** | | (very) Likely<br>or (7/10)<br><br>3/10<br><br>Arrow | 3 | B1<br><br><br>B1<br><br>B1 for arrow drawn between 0.25 and 0.5 **exclusive** |
| **35**<br>**i)**<br><br>**ii)** | | 28<br><br>47 | 2 | B1<br><br>B1 |
| **36** | | 0.05<br>0.5<br>0.507<br>0.57<br>0.577 | 1 | B1   fully correct answer |
| **37** | 1.2kg = 1200g<br>1200 + 1005 = 2205g<br>2500 − 2205 = 295g | 0.295 kg | 2 | M1 full method to reach 295g<br><br>A1 conversion to kg |
| **38** | Fully correct method seen | 46312 | 2 | |

| | | | | M1 for correct method to multiply with no PV error (accept arithmetic errors) **OR** 41350 and 4962 seen, as a minimum (or jottings from another method) <br><br> A1 to be awarded only if correct working methods seen |
|---|---|---|---|---|
| **39** | | 5/7 oe | 1 | B1 |
| **40** | 4x -7 +7 = 20 +7 <br> 4x = 27 <br><br> x = 27/4 | 6.75 oe | 1 | B1 |
| **41** | 29 ÷ 5 | 5.8 | 1 | B1 |
| **42** | 3a + 6b and | 11a + 2b | 2 | M1 for 3a + 6b and 8a – 4b seen <br><br> A1 |