



Mark Scheme (Results)

October 2020

Pearson Edexcel iPrimary International
Year 6 Mathematics (JMA11)
Achievement Test

Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications are awarded by Pearson, the UK's largest awarding body. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information visit our qualifications websites at www.edexcel.com or www.btec.co.uk. Alternatively, you can get in touch with us using the details on our contact us page at www.edexcel.com/contactus.

Pearson: helping people progress, everywhere

Pearson aspires to be the world's leading learning company. Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk

October 2020

Publications Code JMA11_01_2010_MS

All the material in this publication is copyright

© Pearson Education Ltd 2020

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.
- **Types of mark**
 - M marks: method marks
 - A marks: accuracy marks
 - B marks: unconditional accuracy marks (independent of M marks)
- **Abbreviations**
 - cao – correct answer only
 - ft – follow through
 - isw – ignore subsequent working
 - SC - special case
 - oe – or equivalent (and appropriate)

- dep – dependent
- indep – independent
- awrt – answer which rounds to
- eoo – each error or omission

- **No working**

If no working is shown then correct answers normally score full marks

If no working is shown then incorrect (even though nearly correct) answers score no marks.

- **With working**

If there is a wrong answer indicated on the answer line always check the working in the body of the script (and on any diagrams), and award any marks appropriate from the mark scheme.

If it is clear from the working that the “correct” answer has been obtained from incorrect working, award 0 marks.

If a candidate misreads a number from the question. Eg. Uses 252 instead of 255; method marks may be awarded provided the question has not been simplified. Examiners should send any instance of a suspected misread to review. If there is a choice of methods shown, mark the method that leads to the answer on the answer line; where no answer is given on the answer line, award the lowest mark from the methods shown.

If there is no answer on the answer line then check the working for an obvious answer.

- **Ignoring subsequent work**

It is appropriate to ignore subsequent work when the additional work does not change the answer in a way that is inappropriate for the question: eg. Incorrect cancelling of a fraction that would otherwise be correct.

It is not appropriate to ignore subsequent work when the additional work essentially makes the answer incorrect eg algebra.

Transcription errors occur when candidates present a correct answer in working, and write it incorrectly on the answer line; mark the correct answer.

- **Parts of questions**

Unless allowed by the mark scheme, the marks allocated to one part of the question CANNOT be awarded to another.

iPrimary JMA11 October 2020
Mark Scheme

Section A

Question number	Answer	Mark
1	B 900	(1)

Question number	Answer	Mark
2	A cylinder	(1)

Question number	Answer	Mark
3	D 65%	(1)

Question number	Answer	Mark
4	C 22cm	(1)

Question number	Answer	Mark
5	C 54 000	(1)

Question number	Answer	Mark
6	B 18	(1)

Question number	Answer	Mark
7	D 7.26	(1)

Question number	Answer	Mark
8	C 8.7cm	(1)

Question number	Answer	Mark
9	C 6kg	(1)

Question number	Answer	Mark
10	D Octagon	(1)

Question number	Answer	Mark
11	C 67	(1)

Question number	Answer	Mark
12	A 21, 42	(1)

Question number	Answer	Mark
13	D 42	(1)

Question number	Answer	Mark
14	A (4, 5)	(1)

Question number	Answer	Mark
15	C \$2.93	(1)

Question number	Answer	Mark
16	B 72	(1)

Question number	Answer	Mark
17	D \$240	(1)

Question number	Answer	Mark
18	B 55°	(1)

Question number	Answer	Mark
19	B 13	(1)

Question number	Answer	Mark
20	A $\frac{1}{10}$	(1)

Section B

Question number	Answer	Notes	Mark
21 a	249	B1	(1)

Question number	Answer	Notes	Mark
21 b	152	M1 for 212 - 60 OR for 212 unambiguously identified A1 cao	(2)

Question number	Answer	Notes	Mark
22			
i)	50	B1	(3)
ii)	$\frac{3}{4}$	B1 accept equivalent <u>fraction</u>	
iii)	0.3	B1	

Question number	Answer	Notes	Mark
23 a	135	B1 accept answers in the range 133 - 137	(1)

Question number	Answer	Notes	Mark
23 b	35	B1	(1)

Question number	Answer	Notes	Mark
24	<u>3.37</u> <u>3.7</u> <u>7.37</u> <u>7.7</u>	B1	(1)

Question number	Answer	Notes	Mark
25	30	B1	(1)

Question number	Answer	Notes	Mark
26 a	29.54	B1	(1)

Question number	Answer	Notes	Mark
26 b	\$0.46 or .46 or 46 c(cents) Accept any letter or notation after 46	B1 Accept ft from part a	(1)

Question number	Answer	Notes	Mark
27 a	$\frac{4}{5}$	B1 oe	(1)

Question number	Answer	Notes	Mark
27 b	15	B1	(1)

Question number	Answer	Notes	Mark
27 c	36	B1	(1)

Question number	Answer	Notes	Mark
28 a	47 300	B1	(1)

Question number	Answer	Notes	Mark
28 b	0.2936	B1 Accept .2936 (but the decimal point must be visible before the 2)	(1)

Question number	Answer	Notes	Mark
29a	Add 3	B1 Accept +3, we MUST see reference to 'add'	(1)

Question number	Answer	Notes	Mark
29b	43	B1	(1)

Question number	Answer	Notes	Mark																
30 a	12, 13 and 24 All correctly placed in shaded sections <table border="1" data-bbox="405 1267 772 1413"> <thead> <tr> <th></th> <th>Walk</th> <th>Do not walk</th> <th>Total</th> </tr> </thead> <tbody> <tr> <th>Boy</th> <td></td> <td></td> <td>12</td> </tr> <tr> <th>Girl</th> <td>13</td> <td></td> <td></td> </tr> <tr> <td></td> <td>24</td> <td></td> <td>30</td> </tr> </tbody> </table>		Walk	Do not walk	Total	Boy			12	Girl	13				24		30	B1	(1)
	Walk	Do not walk	Total																
Boy			12																
Girl	13																		
	24		30																

30 b	11, 1, 5, 18, 6 <table border="1" data-bbox="413 1583 794 1731"> <thead> <tr> <th></th> <th>Walk</th> <th>Do not walk</th> <th>Total</th> </tr> </thead> <tbody> <tr> <th>Boy</th> <td>11</td> <td>1</td> <td>12</td> </tr> <tr> <th>Girl</th> <td>13</td> <td>5</td> <td>18</td> </tr> <tr> <td></td> <td>24</td> <td>6</td> <td>30</td> </tr> </tbody> </table>		Walk	Do not walk	Total	Boy	11	1	12	Girl	13	5	18		24	6	30	M1 for at least 2 correct A1 fully correct table	(2)
	Walk	Do not walk	Total																
Boy	11	1	12																
Girl	13	5	18																
	24	6	30																

Question number	Answer	Notes	Mark
31 (a)	111 274	M1 for a complete and correct method, with NO place value errors (allow ONE calculation error) OR 96760 AND 14514 seen (as a minimum in jottings from another method) A1 (DEP) cao	(2)

Question number	Answer	Notes	Mark
31 (b)	253	M1 for a correct first step to solving the division Eg: Short division $23 \overline{) 58^{12}19}$ Long division $\begin{array}{r} 23 \overline{) 5819} \\ \underline{46} \\ 121 \end{array}$ Chunking methods can be used but must be complete (equal sized chunks are acceptable) A1 cao	(2)

Question number	Answer	Notes	Mark
32	64	M1 for square numbers listed to at least 64 OR cube numbers listed to 64 (accept one error or omission) A1 Accept: 64 unambiguously identified for both square and cube numbers	(2)

Question number	Answer	Notes	Mark
33	No and reason e.g. * arrives at 8:01 * 36 min journey, only has 35 mins * will be 1 min late	M1 evidence of an attempt to add <u>all of</u> 5, 12 and 19 to 7:25 OR 8:01 seen as his arrival time A1 No identified (in tick box or explanation) and 8:01 or acceptable reason NB: no mark awarded for just NO ticked	(2)

Question number	Answer	Notes	Mark
34	4	B1	(1)

Question number	Answer	Notes	Mark
35 a	$2a - 2b$	B1 Accept: $-2b + 2a$ But ensure the signs are correct	(1)

Question number	Answer	Notes	Mark
35 b	$11x + 5y$	M1 for $8x - 4y$ or $3x + 9y$ or $11x$ or $5y$ A1 cao	(2)

Question number	Answer	Notes	Mark
35 c	4	B1	(1)

Question number	Answer	Notes	Mark
36	Correctly drawn triangle	B2 fully correct triangle within the overlay Or B1 for $\angle CAB = 40^\circ$ or $\angle ABC = 60^\circ$ (tolerance $\pm 2^\circ$)	(2)

Question number	Answer	Notes	Mark
37	Sugar 50g Butter 0g (or left blank) Flour 125g	M2 For all three correctly identified required values (S:250, B:500, F:625) OR 1 correct final answer (S:50, B:0, F:125) If not M2 then: M1 For SF of 2.5 seen or used OR one correctly identified required value (S:250, B:500, F:625) A1 cao SCB1 if no marks awarded, award SCB1 for a 'required value' given as a final value	(3)

