



KEY STAGE 2
MATHEMATICS TESTS

ANSWERS & MARK SCHEMES

About the KS2 Maths Practice Papers

There are three **full** sets of **KS2 Maths Practice Papers** within this book. Each set of KS2 Maths Practice Papers consists of three separate papers: **Paper 1 (Arithmetic)**, **Paper 2 (Reasoning)** and **Paper 3 (Reasoning)**. Calculators are **strictly not allowed** for **any** of these tests.



This pencil sign means that an answer needs to be written either where indicated by the pencil or in the position instructed in the question.

Some questions will have an answer box that says “Show your working”. Children should use this space to write out their working and their final answer in the smaller box within it. This way, even if a child ultimately gets the answer wrong, they could still be awarded marks for approaching it in the right way.

Paper 1 (Arithmetic)

Paper 1 lasts for **30 minutes** and is out of a total of **40 marks**.

Paper 2 (Reasoning) and Paper 3 (Reasoning)

Paper 2 and Paper 3 each last for **40 minutes** and have a total of **35 marks** each.

Marking and Assessing

Once your child has completed a test, mark it using the **Answers and Mark Schemes** within this book, add up the marks and enter them in the table below. After completing a full set of papers, add up the scores for Paper 1, Paper 2 and the Paper 3 to get a total out of **110**.

Maths Marks Table

	SET A	SET B	SET C
Paper 1 (30 mins, out of 40)			
Paper 2 (40 mins, out of 35)			
Paper 3 (40 mins, out of 35)			
Total (out of 110)			

Mathematics - Paper 1 : Set A Answers

Q	Mark	Answers
1.	1	1,094
2.	1	642
3.	1	9.1
4.	1	130
5.	1	1,844
6.	1	84
7.	1	559
8.	1	2.46
9.	1	2,100
10.	1	58
11.	1	80
12.	1	560
13.	1	$\frac{1}{40}$ Accept an equivalent fraction or decimal such as $\frac{2}{80}$ or 0.025.
14.	1	59,400
15.	1	5,000,000
16.	1	142
17.	1	260
18.	1	20.32

Q	Mark	Answers
19.	1	$\frac{2}{5}$ Accept an equivalent fraction or decimal such as $\frac{4}{10}$ or 0.4.
20.	1	14,199
21.	1	701
22.	1	95.98
23.	Up to 2	1,440 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Do not award a mark if the error is in the place value. Do not award a mark if the final answer is missing.
24.	1	5.65
25.	Up to 2	322 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Award 1 mark for a correct short-division method only if there is evidence of carrying figures. Do not award a mark if the final answer is missing.
26.	1	$\frac{2}{5}$ Accept an equivalent fraction or decimal such as $\frac{4}{10}$ or 0.4.
27.	1	342
28.	1	275,054
29.	Up to 2	15,363 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Do not award a mark if the error is in the place value. Do not award a mark if the final answer is missing.

Q	Mark	Answers
30.	1	21
31.	1	38
32.	1	$\frac{3}{11}$ or 0.27 Do not award a mark if the decimal is rounded or truncated. There must be evidence that the digits 2 and 7 is a recurring pattern.
33.	1	$1\frac{1}{24}$ Accept an equivalent fraction or decimal such as $\frac{25}{24}$ or $1\frac{2}{48}$ or 1.0416. Do not award a mark if the decimal is rounded or truncated. There must be evidence that the digit 6 is a recurring digit.
34.	Up to 2	53 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Award 1 mark for a correct short-division method only if there is evidence of carrying figures. Do not award a mark if the final answer is missing.
35.	1	$1\frac{3}{8}$ Accept an equivalent fraction or decimal such as $\frac{11}{8}$ or $1\frac{6}{16}$ or 0.375.
36.	1	100

Mathematics - Paper 1 : Set B Answers

Q	Mark	Answers
1.	1	337
2.	1	476
3.	1	12.1
4.	1	170
5.	1	3,300
6.	1	807
7.	1	130
8.	1	5
9.	1	144
10.	1	$\frac{2}{11}$ Accept an equivalent fraction or decimal such as $\frac{4}{22}$ or $0.\dot{1}\dot{8}$. Do not award a mark if the decimal is rounded or truncated. There must be evidence that the digits 1 and 8 are a recurring pattern.
11.	1	92
12.	1	702.8
13.	1	3.33
14.	1	34,940
15.	1	250,000
16.	1	242
17.	1	360
18.	1	32.04

Q	Mark	Answers
19.	1	$6\frac{5}{9}$ Accept an equivalent fraction or decimal such as $\frac{59}{9}$ or $6\frac{10}{18}$ or $6.\dot{5}$. Do not award a mark if the decimal is rounded or truncated. There must be evidence that the 5 is a recurring digit.
20.	1	12,680
21.	1	601
22.	1	25.03
23.	Up to 2	79.9 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Do not award a mark if the error is in the place value. Do not award a mark if the final answer is missing.
24.	1	16.85
25.	Up to 2	317 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Award 1 mark for a correct short-division method only if there is evidence of carrying figures. Do not award a mark if the final answer is missing.
26.	1	$\frac{11}{16}$ Accept an equivalent fraction or decimal such as $\frac{22}{32}$ or 0.6875.
27.	1	$8\frac{1}{2}$ Accept an equivalent fraction or decimal such as 8.5 or $8\frac{25}{50}$.
28.	1	117,065

Q	Mark	Answers
29.	Up to 2	36,408 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Do not award a mark if the error is in the place value. Do not award a mark if the final answer is missing.
30.	1	36
31.	1	34
32.	1	$\frac{11}{30}$ $\frac{22}{60}$ Accept an equivalent fraction or decimal such as $\frac{22}{60}$ or $0.3\dot{6}$. Do not award a mark if the decimal is rounded or truncated. There must be evidence that the 6 is a recurring digit.
33.	1	0.01
34.	Up to 2	41 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Award 1 mark for a correct short-division method only if there is evidence of carrying figures. Do not award a mark if the final answer is missing.
35.	1	$\frac{37}{40}$ $\frac{74}{80}$ Accept an equivalent fraction or decimal such as $\frac{74}{80}$ or 0.925.
36.	1	56

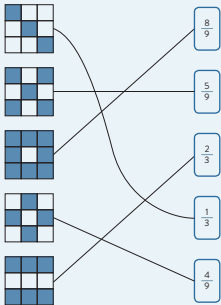
Mathematics - Paper 1 : Set C Answers

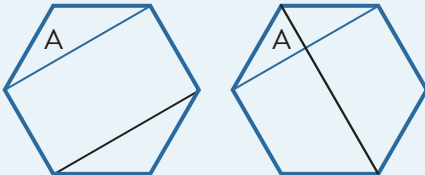
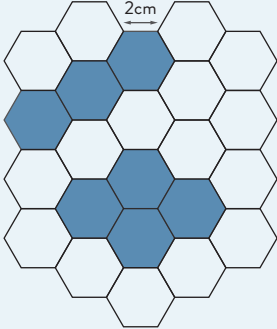
Q	Mark	Answers
1.	1	11
2.	1	$\frac{7}{20}$ Accept an equivalent fraction or decimal such as $\frac{35}{100}$ or 0.35.
3.	1	27
4.	1	1,040
5.	1	5,371
6.	1	0.29
7.	1	501.4
8.	1	12.98
9.	1	1,260
10.	1	648
11.	1	90.2
12.	1	401.6
13.	1	2,847
14.	1	49,900
15.	1	0.001
16.	1	326
17.	1	51
18.	1	69.36

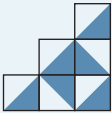
Q	Mark	Answers
19.	1	$\frac{4}{5}$ Accept an equivalent fraction or decimal such as $\frac{16}{20}$ or 0.8.
20.	1	10,532
21.	1	915
22.	1	46.76
23.	Up to 2	1,330 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Do not award a mark if the error is in the place value. Do not award a mark if the final answer is missing.
24.	1	-41.1
25.	1	392
26.	1	425,024
27.	Up to 2	314 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Award 1 mark for a correct short-division method only if there is evidence of carrying figures. Do not award a mark if the final answer is missing.
28.	1	$\frac{5}{12}$ Accept an equivalent fraction or decimal such as $\frac{10}{24}$ or 0.41 $\dot{6}$. Do not award a mark if the decimal is rounded or truncated. There must be evidence that the 6 is a recurring digit.

Q	Mark	Answers
29.	Up to 2	39,931 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Do not award a mark if the error is in the place value. Do not award a mark if the final answer is missing.
30.	1	56
31.	1	-0.49
32.	1	2
33.	1	$\frac{17}{20}$ Accept an equivalent fraction or decimal such as $\frac{34}{40}$ or 0.85.
34.	Up to 2	205.25 or $205 \frac{1}{4}$ Award 2 marks for the correct answer. Incorrect answer? Award 1 mark for a correct method which contains no more than one arithmetic error. Award 1 mark for a correct short-division method only if there is evidence of carrying figures. Do not award a mark if the final answer is missing.
35.	1	$1 \frac{5}{12}$ Accept an equivalent fraction or decimal such as $\frac{17}{12}$ or $\frac{110}{24}$ or 1.41 $\dot{6}$. Do not award a mark if the decimal is rounded or truncated. There must be evidence that the 6 is a recurring digit.
36.	1	$11 \frac{13}{16}$ Accept an equivalent fraction or decimal such as 11.8125 or $11 \frac{26}{32}$.

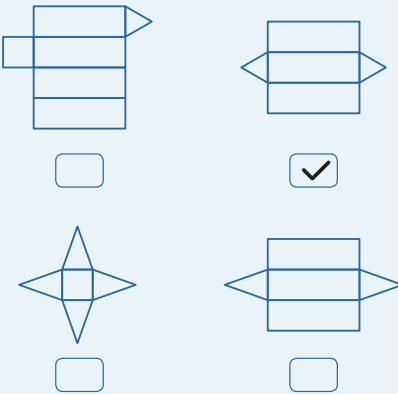
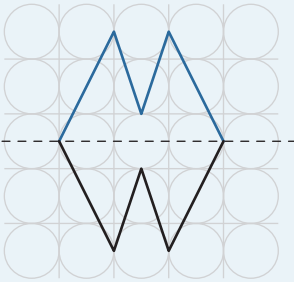
Mathematics - Paper 2 : Set A Answers

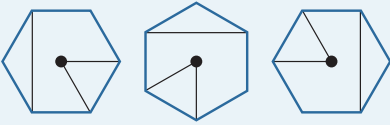
Q	Mark	Answers
1.	1	140 162
2.	Up to 2	244 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a correct method e.g. $8 \times 7 = 56$ or $300 - 56 = 244$.
3.	1 1	Rome 2°C Do not accept -2°C.
4.	Up to 2	 Award 2 marks if all four shapes have been correctly matched. Incorrect answer? Award 1 mark if two shapes have been correctly matched. Do not award a mark for any shape that's been matched to more than one fraction.
5.	1	9 hours 27 minutes
6.	1	5 minutes to ten. Accept any other equivalent answer. 9:55 9:55 am 9:55 pm 21:55
7.	Up to 2	8, 12 or 24 75 150 or 200 Award 2 marks for three correct answers. Incorrect answer? Award 1 mark if there are two correct answers.
8.	1 Up to 2	£3.65 15 apples Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method e.g. $£4.55 - 5p = £4.50$ or $£4.50 \div 30p = 15$.

Q	Mark	Answers
9.	Up to 2	$\begin{array}{r} 67 \\ \times 48 \\ \hline 536 \\ 2680 \\ \hline 3216 \end{array}$ Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's one correct digit.
10.	1 1	Within the range of 7.9cm to 8.3cm. Within the range of 118° to 122°.
11.	1	The number in the second box should be equal to the number in the first box, plus 1 and then multiplied by 5. E.g. 3, 20 or 8, 45.
12.	1	1.55
13.	1 1	 The four hexagons must be a similar shape to the example below to have a perimeter of 28cm.
14.	1	
15.	Up to 2	102° Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $2 \times 39 = 78$ or $180 - 78 = 102$.

Q	Mark	Answers
16.	1	  ☒ ☐   ☐ ☒
17.	Up to 2	91 minutes Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. the sum of the minutes is 637 or that the sum of the minutes is divided by 7.
18.	Up to 2	£5,780 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $£28.90 \div 5 = £5.78$ or $£5.78 \times 1000 = £5780$.
19.	1	Elsie is correct because $\frac{1}{4}$ (or 25%) of 200 is greater than $\frac{1}{2}$ (or 50%) of 50.
20.	Up to 2	175 pages Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $\frac{4}{7}$ of page total = 100 so page total = $100 \times \frac{7}{4} = 175$.
21.	Up to 2	87,450 87,400 87,000 90,000 Award 2 marks for stating all the correct answers. Incorrect answer? Award 1 mark if there are two correct answers.

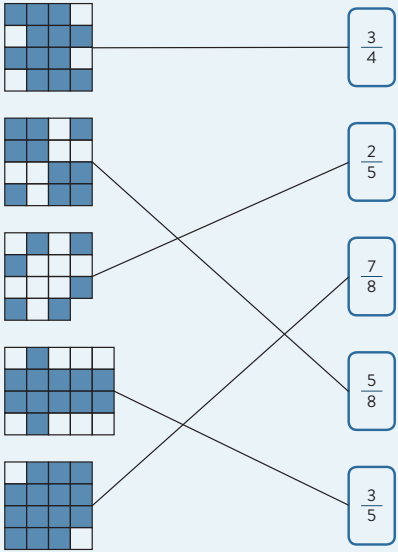
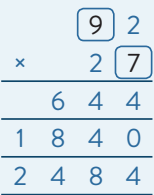
Mathematics - Paper 2 : Set B Answers

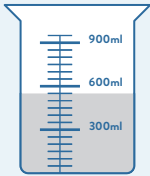
Q	Mark	Answers																					
1.	1																						
2.	Up to 2	£0.90 (accept 90p) Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a correct method e.g. $£10 - 10p = £9.90$, $£9.90 \div 11 = 90p$.																					
3.	Up to 3	700cm² Award 3 marks for the correct answer. Incorrect answer? Award 2 marks for the correct calculation $45 \times 36 = 1,584\text{cm}^2$ or if there's evidence of a suitable method with one arithmetic error. Award 1 mark if there's evidence of a correct method that has more than one arithmetic error. Do not award any marks if the error is in the place value of the multiplication.																					
4.	Up to 2	<table border="1"> <thead> <tr> <th>Type of book</th><th>Tally</th><th>Total</th></tr> </thead> <tbody> <tr> <td>Science Fiction & Fantasy</td><td> </td><td>19</td></tr> <tr> <td>Detective Stories</td><td> </td><td>6</td></tr> <tr> <td>Comedy/Humour</td><td> </td><td>10</td></tr> <tr> <td>Animal Tales</td><td> </td><td>9</td></tr> <tr> <td>Adventure</td><td> </td><td>12</td></tr> <tr> <td>Non-Fiction</td><td> </td><td>4</td></tr> </tbody> </table> Award 2 marks for a correctly filled in table. Incorrect answer? Award 1 mark if three cells are correctly filled in.	Type of book	Tally	Total	Science Fiction & Fantasy		19	Detective Stories		6	Comedy/Humour		10	Animal Tales		9	Adventure		12	Non-Fiction		4
Type of book	Tally	Total																					
Science Fiction & Fantasy		19																					
Detective Stories		6																					
Comedy/Humour		10																					
Animal Tales		9																					
Adventure		12																					
Non-Fiction		4																					
5.	1																						

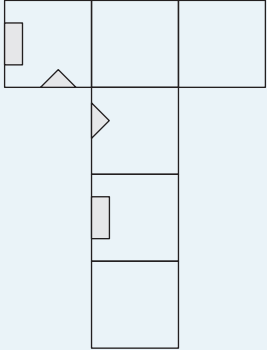
Q	Mark	Answers
6.	1	
7.	1 1	16 (accept 16.0) 10.5
8.	1 1	905 CXXX
9.	Up to 2	A, B and D. Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there are two correct letters.
10.	1	21.6
11.	Up to 2	36,550 36,500 37,000 40,000 Award 2 marks for stating all the correct answers. Incorrect answer? Award 1 mark if there are two correct answers.
12.	1 1	41 55
13.	1 1	Trapezium Kite
14.	1 1	12 people Wales
15.	1 1	2.4m 3.4m
16.	1	120°
17.	Up to 2	£720 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there is evidence of a suitable method. E.g. $1200 \div 25 = 48$, $48 \times 15 = £720$.

Q	Mark	Answers
18.	1 1	$\frac{1}{8}$ (accept answers between $\frac{1}{7}$ and $\frac{1}{9}$) 75 (accept answers between 73 and 77)
19.	Up to 2	450 pupils Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $\frac{5}{9}$ of pupil total = 250, page total = $250 \times \frac{9}{5} = 450$.
20.	1	Aisha is not correct because 13 (or another suitable value such as 23 or 43) is not a multiple of 3. Do not award the mark if a suitable example such as 13, 23 or 43 is missing.

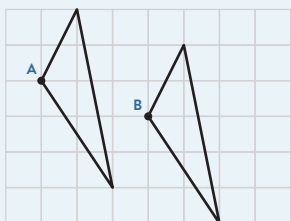
Mathematics - Paper 2 : Set C Answers

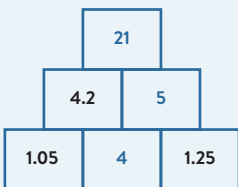
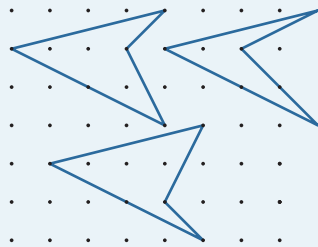
Q	Mark	Answers
1.	1 1	70 minutes 10 p.m.
2.	1 1 1	8 sides Pentagon Octagon
3.	1	1 hour 53 minutes 9 seconds
4.	1 1	40m 93.75m ²
5.	1 1 1	2°C 9°C Accept answers between 9:30am and 9:45am
6.	Up to 2	 Award 2 marks if all four shapes have been correctly matched. Incorrect answer? Award 1 mark if two shapes have been correctly matched. Do not award a mark for any shape that's been matched to more than one fraction.
7.	Up to 2	 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's one correct digit.
8.	1	$\frac{5}{12}$

Q	Mark	Answers
9.	Up to 2	£3.04 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $2 \times £1.99 = £3.98$, $3 \times £3.74 = £11.22$, $£3.98 + £11.32 = £15.20$, $£15.20 \div 5 = £3.04$.
10.	1	15 cars
11.	1	2 16 9 5, 13
12.	Up to 2	36 girls Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $\frac{3}{8} \times \frac{2}{3} \times$ number of girls in class = 9, $\frac{3}{8} \times \frac{2}{3} = \frac{1}{4}$, number of girls in class = $9 \div \frac{1}{4} = 36$.
13.	1 1	200ml 
14.	1	$c = 4b - 2$
15.	1 1	5, 29 154
16.	1	$\frac{3}{14}$
17.	1 1	7 balloons 35km

Q	Mark	Answers
18.	Up to 2	13.5, 17 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's one correct number.
19.	1	+5, $\times 3$, -4, $\div 4$
20.	Up to 2	 Incorrect answer? Award 1 mark if there's one correctly drawn shape element.

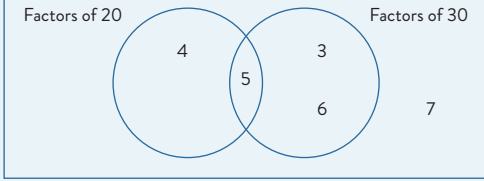
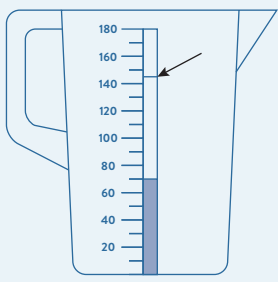
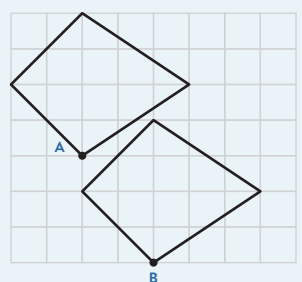
Mathematics - Paper 3 : Set A Answers

Q	Mark	Answers																				
1.	Up to 2	<table><tr><td></td><td>Multiple of 4</td><td>Not a multiple of 4</td></tr><tr><td>Multiple of 6</td><td>24</td><td>6, 18, 30...</td></tr><tr><td>Not a multiple of 6</td><td>4, 8, 16...</td><td>1, 2, 3, 5...</td></tr></table> Award 2 marks if the sorting table has been completed correctly. Incorrect answer? Award 1 mark if two cells have been correctly completed.		Multiple of 4	Not a multiple of 4	Multiple of 6	24	6, 18, 30...	Not a multiple of 6	4, 8, 16...	1, 2, 3, 5...											
	Multiple of 4	Not a multiple of 4																				
Multiple of 6	24	6, 18, 30...																				
Not a multiple of 6	4, 8, 16...	1, 2, 3, 5...																				
2.	Up to 2	$\frac{2}{3}$ or an equivalent fraction such as $\frac{8}{12}$. $\frac{3}{4}$ or an equivalent fraction such as $\frac{9}{12}$. Award 2 marks for two correct answers. Incorrect answer? Award 1 mark if there's one correct answer.																				
3.	1	1.4, $1\frac{1}{3}$																				
4.	1 1	October £600																				
5.	Up to 2	<table><tr><td></td><td>Certain</td><td>Possible</td><td>Impossible</td></tr><tr><td>The total will be more than 15.</td><td></td><td>✓</td><td></td></tr><tr><td>The total will be an even number.</td><td>✓</td><td></td><td></td></tr><tr><td>The number on B will be greater than the score on A.</td><td></td><td>✓</td><td></td></tr><tr><td>The total will be less than 4.</td><td></td><td></td><td>✓</td></tr></table> Award 2 marks for completing the table correctly. Incorrect answer? Award 1 mark if there are two correctly ticked statements.		Certain	Possible	Impossible	The total will be more than 15.		✓		The total will be an even number.	✓			The number on B will be greater than the score on A.		✓		The total will be less than 4.			✓
	Certain	Possible	Impossible																			
The total will be more than 15.		✓																				
The total will be an even number.	✓																					
The number on B will be greater than the score on A.		✓																				
The total will be less than 4.			✓																			
6.	Up to 2	$\times 100, \div 1000$ Award 2 marks for two correct answers. Incorrect answer? Award 1 mark if there is one correct answer.																				
7.	1	Thirty thousand, five hundred and eight.																				
8.	1																					
9.	Up to 2	8.1g Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $13.5 \times 3 = 40.5, 40.5 \div 5 = 8.1$.																				

Q	Mark	Answers
10.	Up to 2	£0.17 (accept 17p) Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $84 \div 4 = 21p$, $228 \div 6 = 38p$, $38p - 21p = 17p$.
11.	Up to 2	$\begin{array}{r} 8 \quad \boxed{2} \quad 3 \quad \boxed{7} \\ - \quad \boxed{2} \quad 5 \quad \boxed{1} \quad 8 \\ \hline 5 \quad 7 \quad 1 \quad 9 \end{array}$ Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there are two correct values.
12.	1	0.992
13.	Up to 2	$\frac{4}{9} < \frac{2}{3} < \frac{3}{4}$ $\frac{4}{9} < \frac{2}{3} < \frac{5}{6}$ $\frac{4}{9} < \frac{3}{4} < \frac{5}{6}$ $\frac{2}{3} < \frac{3}{4} < \frac{5}{6}$ Award 2 marks for any two of the above expressions. Incorrect answer? Award 1 mark if there is one complete expression.
14.	Up to 2	
15.	1	 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there are two correct values. Accept any of the above.
16.	Up to 2	5.25 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $2(\text{number} - 3) + 2 = 6.5$, $6.5 - 2 = 4.5$, $4.5 \div 2 = 2.25$, $2.25 + 3 = 5.25$.

Q	Mark	Answers
17.	1	40%
18.	1	60p, 65p, 72p
19.	1	41, 58
20.	1	Swimming
	1	5
	1	Netball, basketball
21.	1	A = (16, -7)
	1	B = (20, -7)

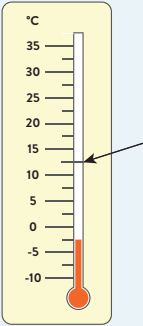
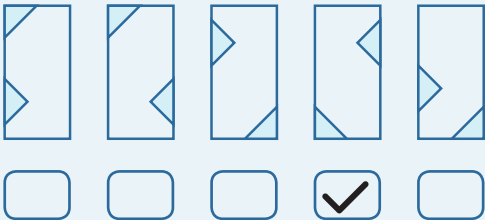
Mathematics - Paper 3 : Set B Answers

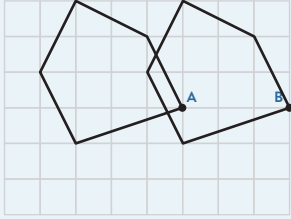
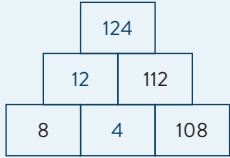
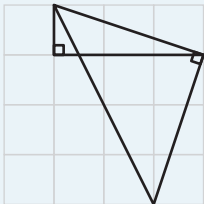
Q	Mark	Answers
1.	Up to 2	Factors of 20  Factors of 30 Award 2 marks if the Venn diagram has been completed correctly. Incorrect answer? Award 1 mark if three numbers have been correctly placed.
2.	1	-7, -2 Do not accept 7-, 7, 2- or 2.
3.	Up to 2	£10.91 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $£5.10 + £3.99 = £9.09$. $£20 - £9.09 = £10.91$.
	1	£13.08
4.	Up to 2	44, 46 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's one correct answer.
5.	1	Fifty-nine thousand and two.
6.	1	
7.	1	0.012kg
	1	75cm
8.	1	

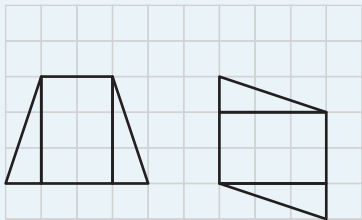
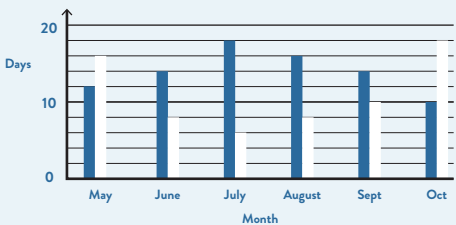
Q	Mark	Answers
9.	Up to 2	75g Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $650g - 200g = 450g$, $450 \div 6 = 75g$.
10.	1	There are 90 sweets in a bag. 12 friends share them equally. Each friend gets 7 sweets. There are 6 sweets left over. Or There are 90 sweets in a bag. 7 friends share them equally. Each friend gets 12 sweets. There are 6 sweets left over.
11.	Up to 2	$ \begin{array}{r} \boxed{9} \ 4 \ \boxed{6} \\ 9 \ \boxed{6} \ 8 \\ + \ 4 \ 7 \ 5 \\ \hline \boxed{2} \ 3 \ 8 \ 9 \end{array} $ Award 2 marks for the correct answer. Incorrect answer? Award 1 mark there are two correct values.
12.	1	28.43
13.	1	4
14.	Up to 2	8 eggs Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $3 \times (\text{number of eggs}) + 6 = 30$, $3 \times (\text{number of eggs}) = 24$, number of eggs = $24/3 = 8$.
15.	1	
16.	Up to 2	46 Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $((\text{number} + 50) \div 2) - 20 = 28$, $(\text{number} + 50) \div 2 = 48$, number = $96 - 50 = 46$.
17.	1 1	70 700

Q	Mark	Answers
18.	Up to 2	125ml Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $\frac{5}{12} \times 300\text{ml} = 125\text{ml}.$
19.	Up to 3	2,606.5cm ² Award 3 marks for the correct answer. Incorrect answer? Award 2 marks if there's evidence of the total area being $35 \times 75.5 = 2,642.5\text{cm}^2$. Award 1 mark for a suitable method that includes no more than one arithmetic error. Do not award any marks if the error is in the place value of the multiplication.
20.	1 1 1	B = (15, 7) C = (0, -6) Centre = (7.5, 0.5)

Mathematics - Paper 3 : Set C Answers

Q	Mark	Answers
1.	1 1	150g 14%
2.	1 1	36 162
3.	1 1	26,048,000 26.048
4.	Up to 2 1	£40 <i>Award 2 marks for the correct answer.</i> <i>Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g.</i> $£1.65 + £3.35 = £5.00$, $£5.00 \div 8 = £40$. £0.40 (accept 40p)
5.	Up to 2	27km <i>Award 2 marks for the correct answer.</i> <i>Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g.</i> $4 \times \text{unit distance} = 36$, unit distance = 9km, distance = $3 \times \text{unit distance} = 27\text{km}$.
6.	1	
7.	1	0.4g, 0.3kg, $\frac{1}{3}$ kg, 450g, 500g
8.	1	

Q	Mark	Answers
9.	1	
10.	1 1	28 48
11.	1 1	3.8cm 1.4cm
12.	Up to 2	$ \begin{array}{r} 2 \quad \boxed{4} \quad 6 \quad 3 \\ + \quad \boxed{1} \quad 4 \quad \boxed{7} \quad \boxed{9} \\ \hline 3 \quad 9 \quad 4 \quad 2 \end{array} $ Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there are two correct values.
13.	1	0.6
14.	Up to 2	 Award 2 marks if all the fractions, decimals and percentages have been correctly linked. Incorrect answer? Award 1 mark if there are three correct links.
15.	1	
16.	1	 Award 1 mark for either of the two example right angled triangles shown or any other right angled triangle.

Q	Mark	Answers																					
17.	Up to 2	Award 1 mark for each correctly drawn shape. Do not award a mark if the shape(s) are not labelled.  trapezium parallelogram																					
18.	Up to 2	<table border="1"> <thead> <tr> <th>Month</th><th>Sunny Days</th><th>Wet Days</th></tr> </thead> <tbody> <tr> <td>May</td><td>12</td><td>16</td></tr> <tr> <td>June</td><td>14</td><td>8</td></tr> <tr> <td>July</td><td>18</td><td>6</td></tr> <tr> <td>August</td><td>16</td><td>8</td></tr> <tr> <td>September</td><td>14</td><td>10</td></tr> <tr> <td>October</td><td>10</td><td>18</td></tr> </tbody> </table> Award 2 marks for a correctly completed table and chart. Incorrect answer? Award 1 mark if either the table or the chart is correctly completed.  Key ■ Sunny Days ■ Wet Days	Month	Sunny Days	Wet Days	May	12	16	June	14	8	July	18	6	August	16	8	September	14	10	October	10	18
Month	Sunny Days	Wet Days																					
May	12	16																					
June	14	8																					
July	18	6																					
August	16	8																					
September	14	10																					
October	10	18																					
	1	12																					
19.	Up to 2	2.965m Award 2 marks for the correct answer. Incorrect answer? Award 1 mark if there's evidence of a suitable method. E.g. $1.2\text{m} - 92\text{cm} = 28\text{cm}$, $1.2\text{m} + 92\text{cm} + 28\text{cm} = 2.4\text{m}$, $240\text{cm} + (2 \times 28.25\text{cm}) = 296.5\text{cm} = 2.965\text{m}$.																					
20.	Up to 2	<table border="1"> <thead> <tr> <th></th><th>Number of flat surfaces</th><th>Number of curved surfaces</th></tr> </thead> <tbody> <tr> <td>Sphere</td><td>0</td><td>1</td></tr> <tr> <td>Cone</td><td>1</td><td>1</td></tr> <tr> <td>Cylinder</td><td>2</td><td>1</td></tr> <tr> <td>Cube</td><td>6</td><td>0</td></tr> </tbody> </table> Award 2 marks for a correctly completed table. Incorrect answer? Award 1 mark for three correct answers.		Number of flat surfaces	Number of curved surfaces	Sphere	0	1	Cone	1	1	Cylinder	2	1	Cube	6	0						
	Number of flat surfaces	Number of curved surfaces																					
Sphere	0	1																					
Cone	1	1																					
Cylinder	2	1																					
Cube	6	0																					

BLANK PAGE