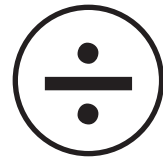
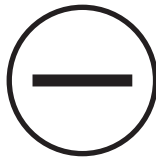


Key Stage 2

Mathematics

Reasoning: Pack 3 Test 3b

Name	
Date	



35

total marks

3. Place the following numbers on the Venn diagram.

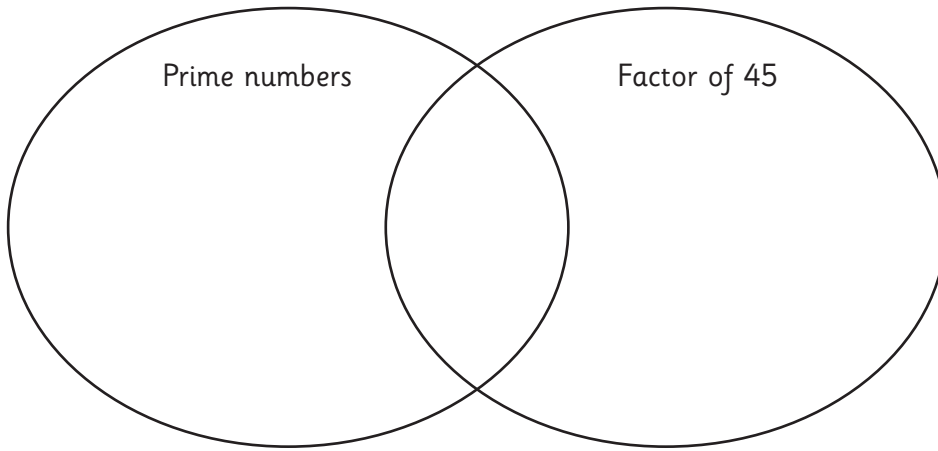
5

7

9

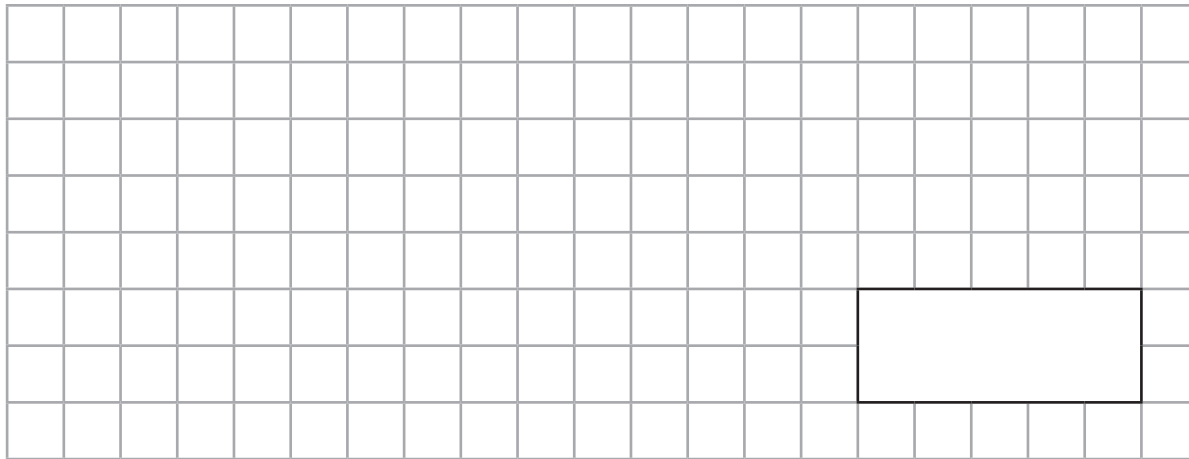
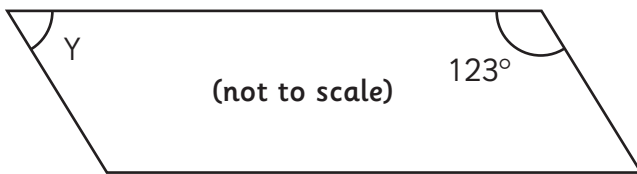
11

13



1 mark

4. In this parallelogram, calculate the angle marked Y.



1 mark

Total for this page

5. Draw lines to match the equivalent decimal fractions, fractions and percentages.

One has been completed for you.

$\frac{1}{2}$	0.625	40%
$\frac{3}{4}$	0.5	62.5%
$\frac{2}{5}$	0.67	67%
$\frac{5}{8}$	0.75	50%
$\frac{2}{3}$	0.4	75%

6. Complete this division calculation.

$$\begin{array}{r} 502 \\ 9 \overline{) 4 \square 1 \square} \end{array}$$

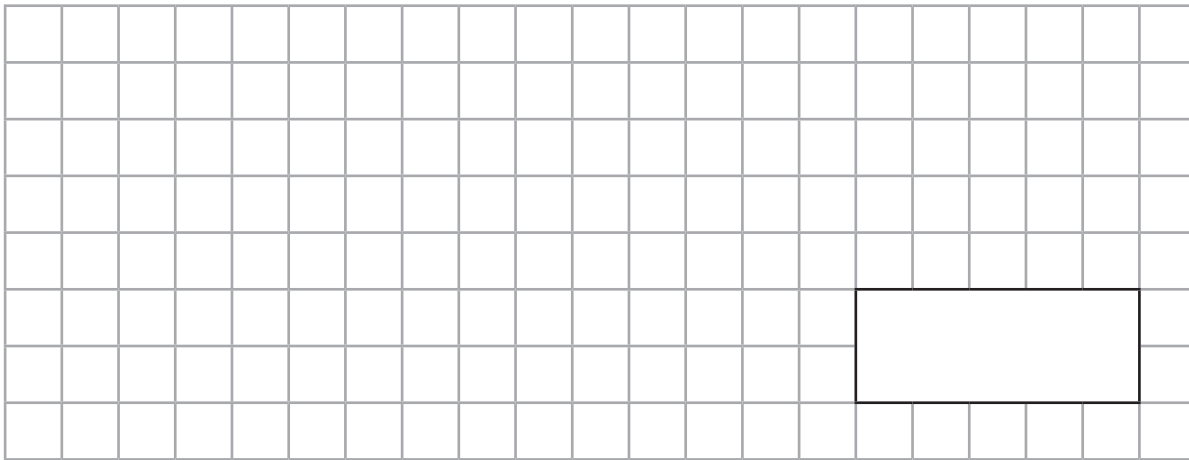
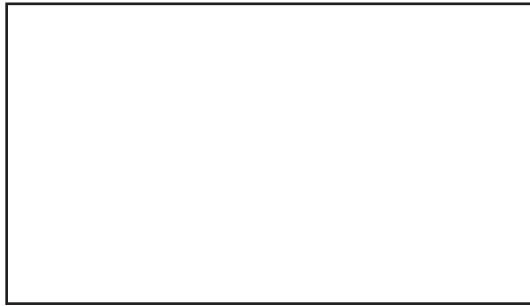
2 marks

2 marks

Total for this page

9. The drawing below is drawn to a scale of 1 cm to 2m.

Measure the drawing and calculate the area of the full-sized shape.



2 marks

10. Order the following numbers from the smallest to the largest.

696 996

966 969

969 699

966 699

696 699

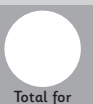
--	--	--	--	--

smallest

largest

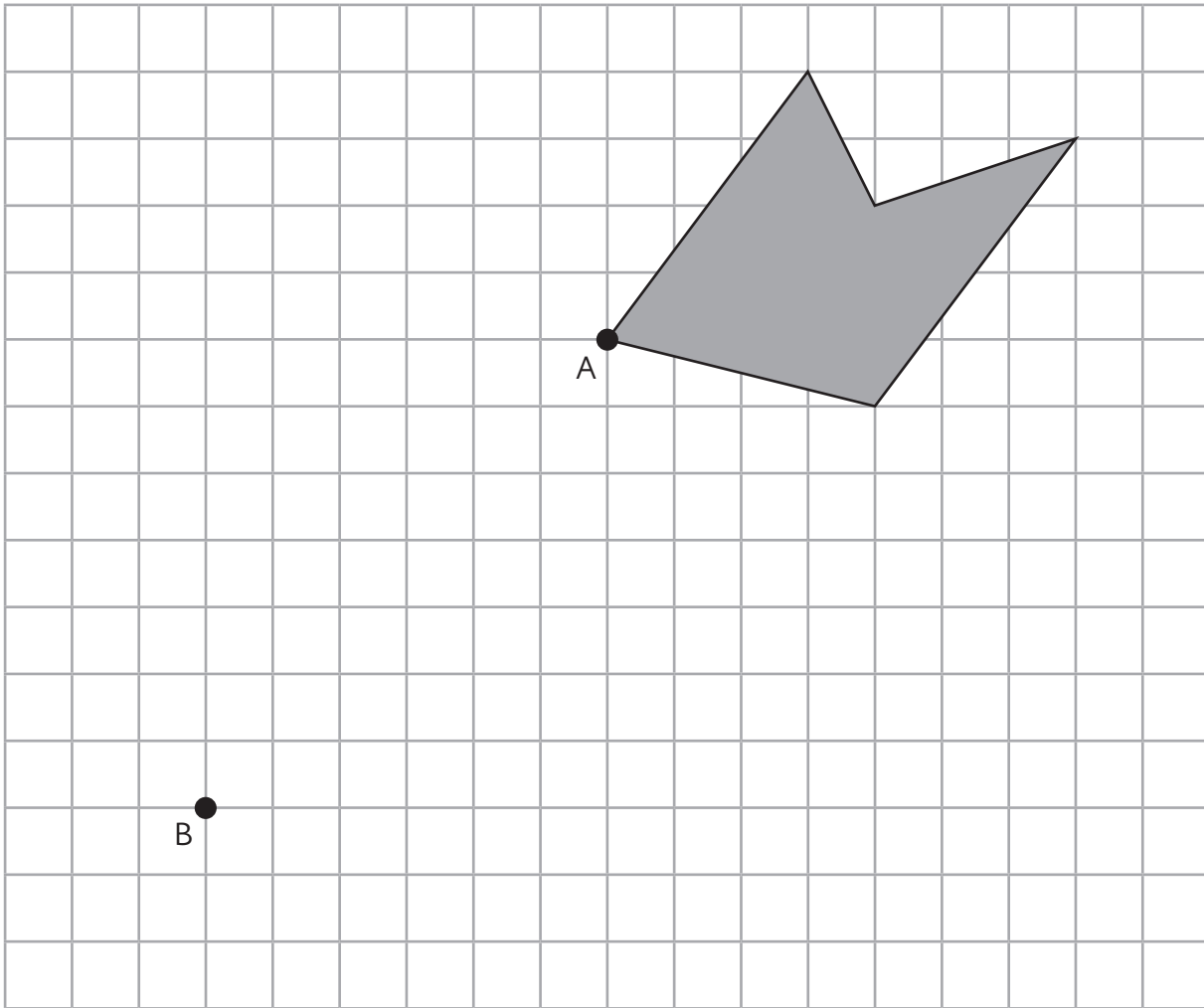


1 mark



Total for this page

11. Translate the shape so that point A is translated to point B.

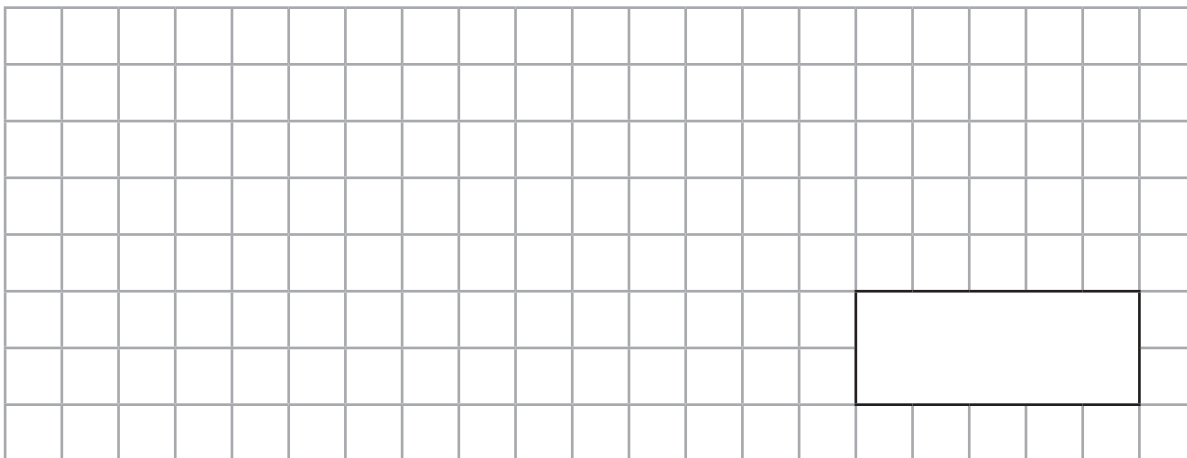


1 mark

12. A dancer spends one hour and fifteen minutes altogether at her two dancing lessons; Street Dance and Tap Dance.

The lengths of the classes are at a ratio of 3:2.

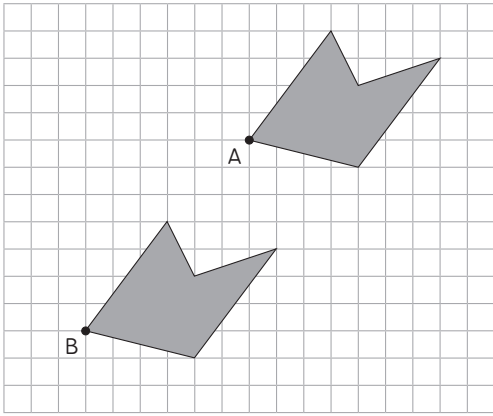
How much longer is the Street Dance class than the Tap Dance class?



2 marks

Total for this page

question	answer	marks	notes
1.			
	12 combinations (4x3)	1	1 mark for both correct.
2.			
	190g.	1	1 mark for a reading shown just after 185g, but no more than 200g.
3.			
		1	
4.			
	57° or 57 degrees	1	degrees or ° must be written for the mark.
5.			
		2	2 marks for all 4 correct. 1 mark for 2 correct.
6.			
	$\begin{array}{r} 502 \\ 9 \overline{)4518} \end{array}$	2	2 marks for all correct. 1 mark for 2 digits correct.
7.			
	0.08 seconds (0.12 – 0.04)	2	2 marks for the correct answer. 1 mark for identifying the gap between gold and silver as 0.12 seconds and the gap between silver and bronze as 0.04 seconds.
8.			
	£93.25	2	2 marks for the correct answer. 1 mark for a correct method with only one mistake in calculating.

question	answer	marks	notes															
9.																		
	112m ²	2	2 marks for a correct answer. 1 mark for correctly identifying that the full size is 14m x 8m.															
10.																		
	696 699, 696 996, 966 699, 966 969, 969 699	1																
11.																		
		1																
12.																		
	15 minutes	2	2 marks for the correct answer. 1 mark for a correct method with only one mistake in calculating.															
13.																		
a	<table border="1"> <thead> <tr> <th>Month</th> <th>Attendance</th> <th>Attendance rounded to the nearest million</th> </tr> </thead> <tbody> <tr> <td>January</td> <td>15 586 610</td> <td>16 000 000</td> </tr> <tr> <td>February</td> <td>15 162 922</td> <td>15 000 000</td> </tr> <tr> <td>March</td> <td>11 544 674</td> <td>12 000 000</td> </tr> <tr> <td>April</td> <td>15 125 895</td> <td>15 000 000</td> </tr> </tbody> </table>	Month	Attendance	Attendance rounded to the nearest million	January	15 586 610	16 000 000	February	15 162 922	15 000 000	March	11 544 674	12 000 000	April	15 125 895	15 000 000	1	1 mark for all correct.
Month	Attendance	Attendance rounded to the nearest million																
January	15 586 610	16 000 000																
February	15 162 922	15 000 000																
March	11 544 674	12 000 000																
April	15 125 895	15 000 000																
b	14 500 000	1																
14.																		
	29 978, 30 978, 31 978	1																

question	answer	marks	notes
15.			
		1	
16.			
	0.034	1	
17.			
	£45.60	2	2 marks for a correct answer 1 mark for incorrect answer with only 1 mistake in calculation
18.			
a	28 children	1	allow 27 - 29
b	7 children	2	2 marks for an answer from 6 to 8 inclusive. 1 mark for an answer of 5 or 9.
19.			
	561	2	2 marks for the correct answer. 1 mark for a correct method with only one mistake in calculating.
20.			
a	07:29	1	
b	06:03	1	
c	25 minutes	1	
21.			
	2°C	2	2 marks for the correct answer. 1 mark for a correct method in adding the temperatures and dividing the answer by 7, even if the calculation is incorrect.
		Total 35	