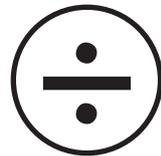
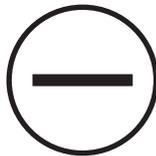


Key Stage 2

Mathematics

Reasoning: Pack 2 Test 2a

Name	
Date	



35

total marks

7. Which digit represents the number of thousands in the following number?

468 327	Answer:
---------	---------



1 mark

8. Complete this calculation: $0.64 \times \square = 640$



1 mark

9. Complete these mathematical statements using the following symbols:

	< or > or =	
$\frac{3}{4}$		$\frac{9}{12}$
$\frac{3}{5}$		$\frac{13}{20}$
$\frac{1}{3}$		$\frac{2}{9}$



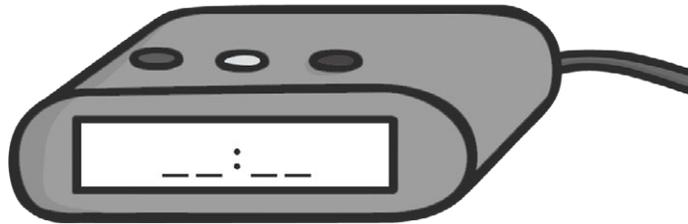
1 mark



Total for this page

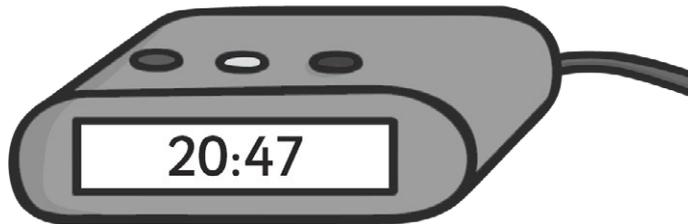
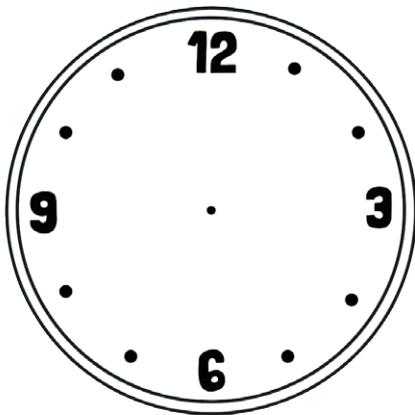
11. Use the clocks below to show the time.

a) Write the time on the analogue clock onto the digital clock:



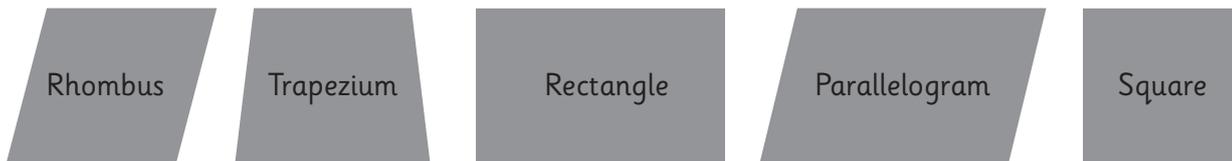
1 mark

b) Draw the time on the digital clock onto the analogue clock face:



1 mark

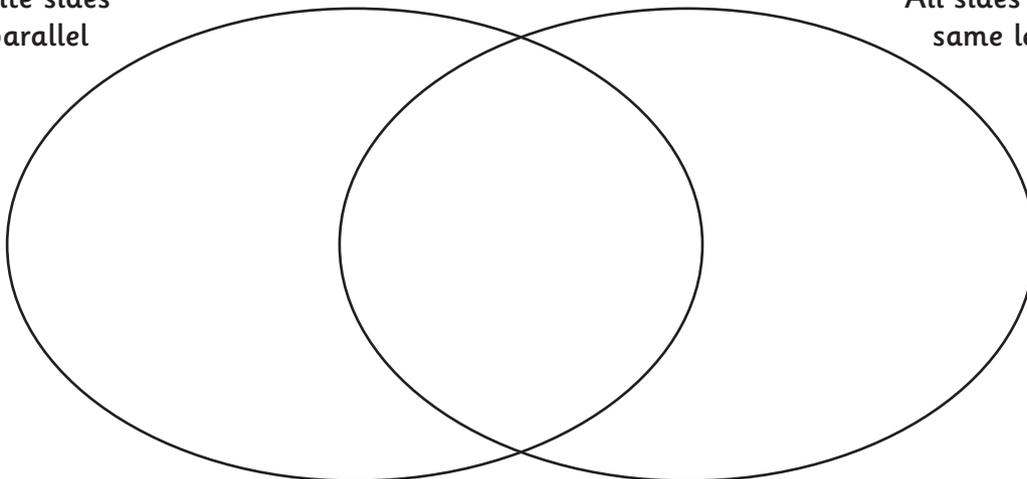
12. Here is a set of quadrilaterals:



Write the name of each shape in the correct space of this Venn diagram:

Opposite sides are parallel

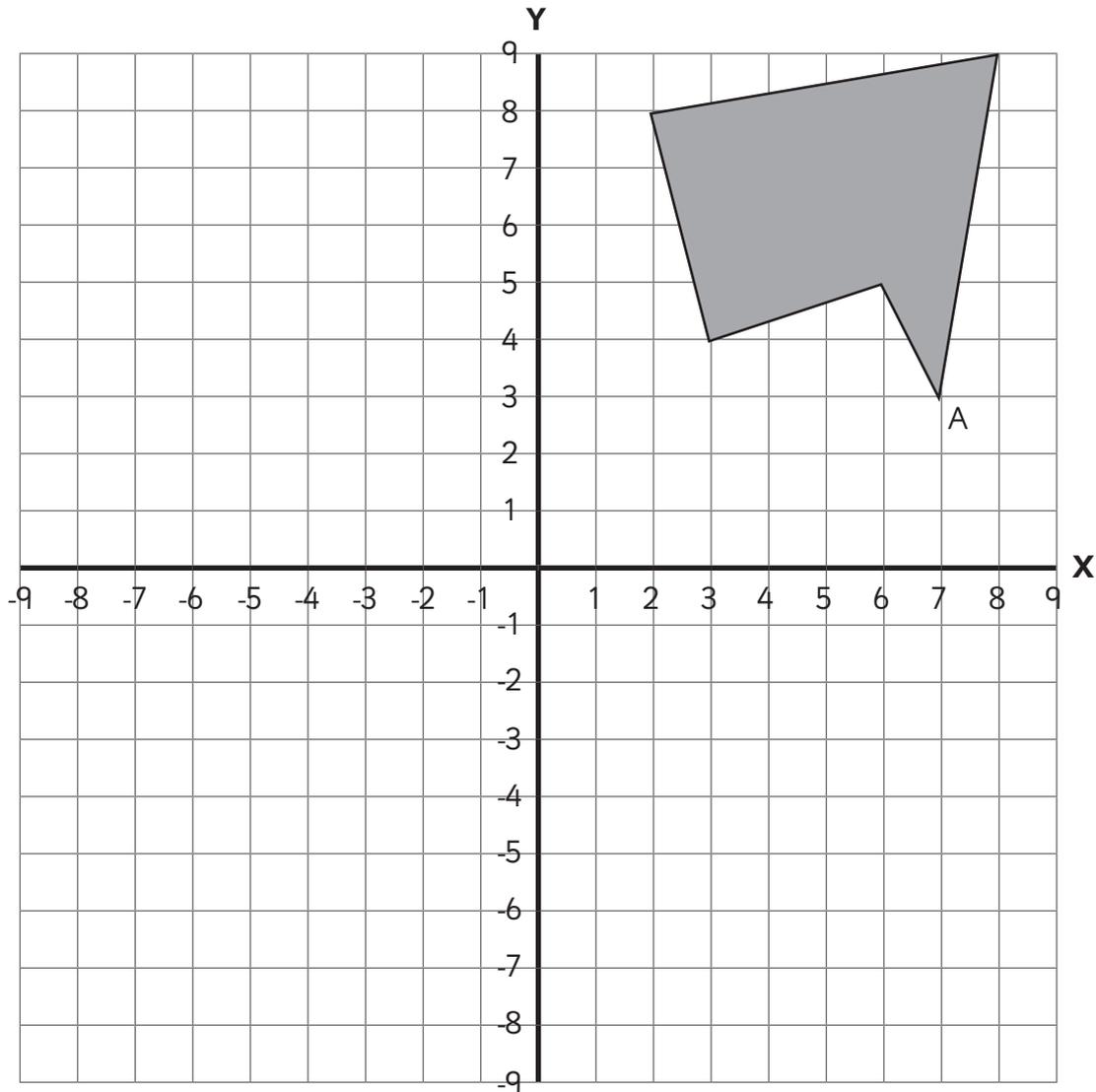
All sides are the same length



2 marks

Total for this page

13. Here is a shape drawn on a coordinate grid:



a) Reflect the shape across the Y axis and then reflect the new shape across the X axis, drawing the two new shapes.

b) Write the coordinates of point A on the new shapes:

(_____ , _____) (_____ , _____)



2 marks

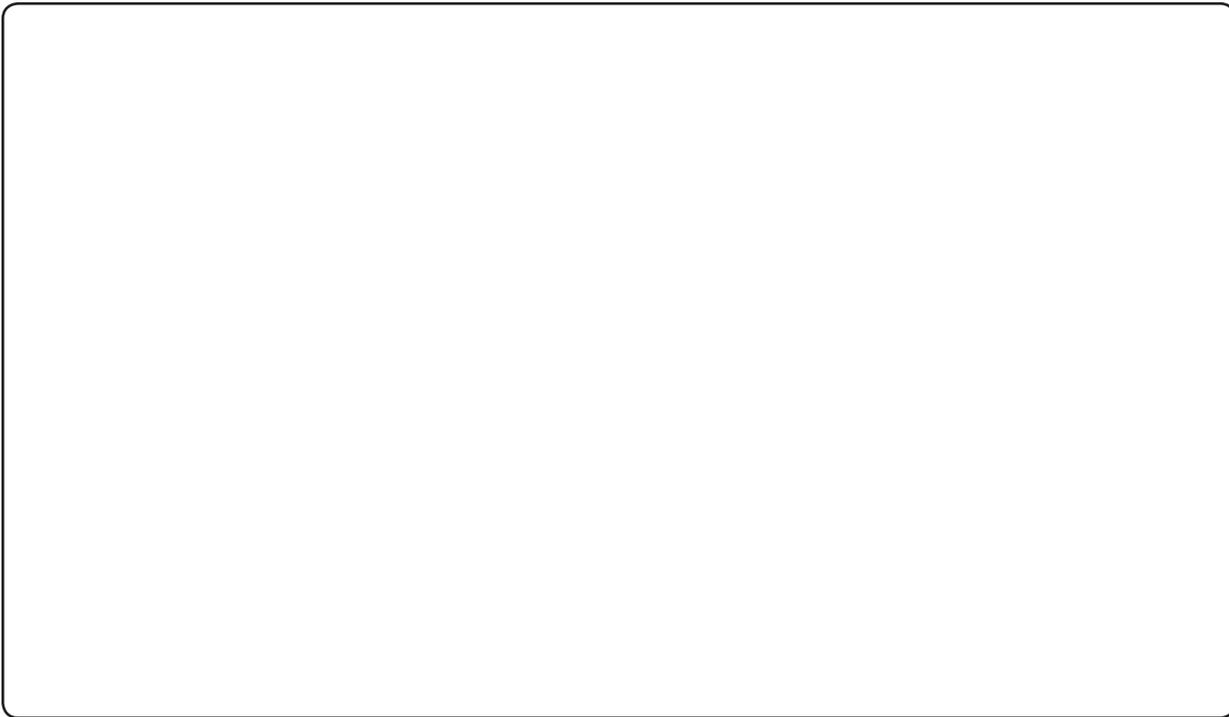


2 marks



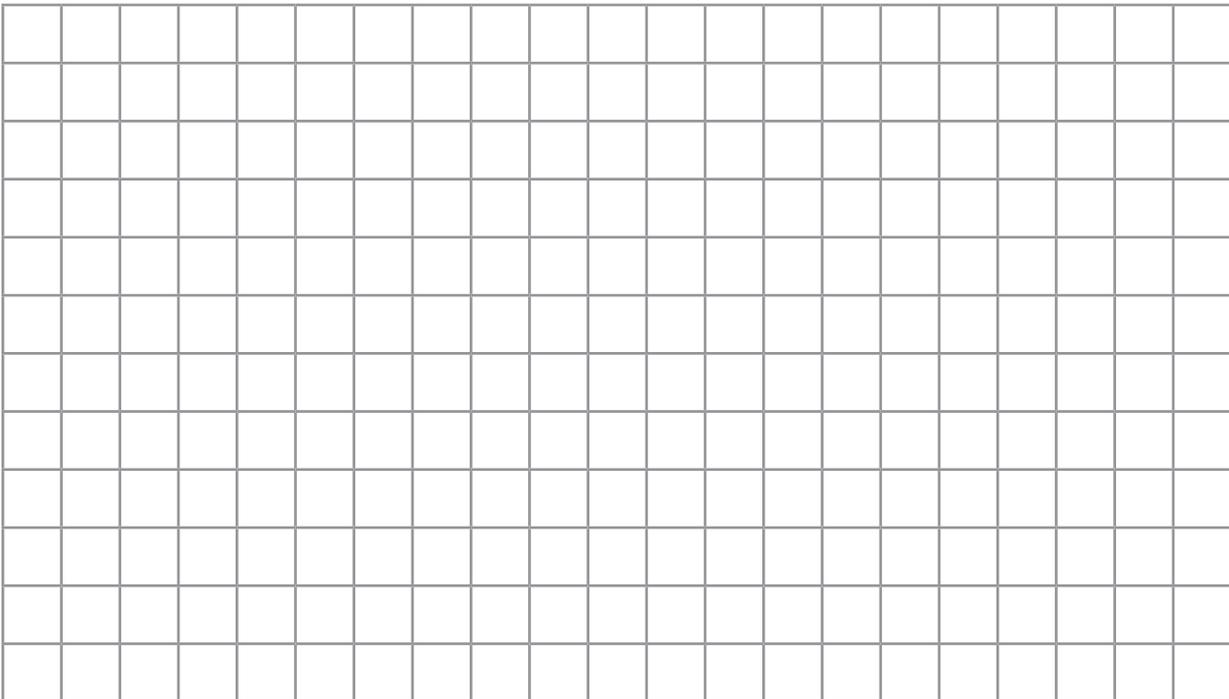
Total for this page

16. Draw an isosceles triangle with 2 sides of length 65mm where the angle between these 2 equal sides is 52° :



2 marks

17. Thomas, Janaid and Sara received a total of £75 for their hard work. Thomas received £8 less than Sara but £5 more than Janaid. How much did they each receive?



Thomas:

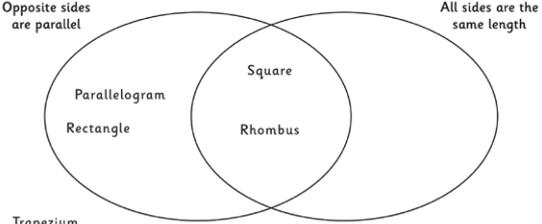
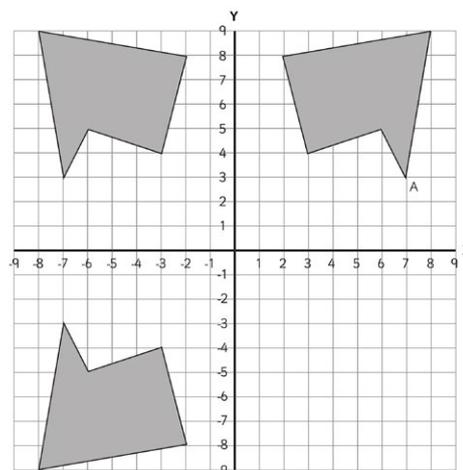
Janaid:

Sara:

2 marks

Total for this page

question	answer	marks	notes
1.			
	420, 490, 560	1	1 mark for all numbers correct. Allow 9.0. 1 mark for all numbers correct.
	9, 9.9, 10.8	1	
2.			
a	31, 37, 41, 43, 47, 53, 59	1	1 mark for all.
b	2 and 5	1	1 mark for both (allow 2, 2, and 5 as $2 \times 2 \times 5 = 20$).
3.			
	0.019	1	
4.			
a	175ml, 125ml	1	
b	50ml	1	
5.			
	One hundred and seventeen thousand, nine hundred and six	1	
6.			
	769	1	
7.			
	8	1	
8.			
	1000	1	
9.			
	$\frac{3}{4} = \frac{9}{12}$ $\frac{3}{5} < \frac{13}{20}$ $\frac{1}{3} > \frac{2}{9}$	1	1 mark for all correct.

question	answer	marks	notes
10.			
	Tally showing 39  Bar showing 57 	2	1 mark for correct tally and total, and 1 mark for correct bar graph/chart. Allow 38 with tally for 38. Allow an answer clearly more than half way between 50 and not too close to 60 (e.g. 56 - 58)
11.			
a	15:25	1	
b		1	Ensure hands are clearly different size.
12.			
		2	2 marks for all correct. 1 mark for 3 or 4 correct.
13.			
a		2	2 marks for shape correctly reflected twice. 1 mark for 1 correct reflection, including 1 mark for correctly reflecting an incorrect first reflection.
b	$(-7, 3)$ and $(-7, -3)$	2	2 marks for correctly writing the coordinates of the shapes drawn in 13a (in any order). 1 mark for 1 correct answer.

question	answer	marks	notes
14.			
a	6 hours and 15 minutes	1	
b	28.5 hours	2	2 marks for correct answer. Allow 28 hours and 30 minutes or 28 1/2 hours 1 mark for correct calculation with only 1 error. Either $(45 \times 38)/60$ or 38×0.75 .
15.			
	347×26	2	2 marks for the correct answer. 1 mark for evidence of some systematic working: e.g. that the units must be 2×6 or 3×4 or 6×7 to produce a 2 in the units.
16.			
	(See end of answers for a scaled version of the isosceles triangle)	2	2 marks for drawing showing no more than 5mm error at 2 corners. 1 mark for drawing within 10mm at 2 corners.
17.			
	Thomas £24 Janaid £19 Sara £32	2	2 marks for correct answer. 1 mark for correct method, but one error in calculation.
18.			
a	Any correct combination e.g. $a=5, b=3$	1	1 mark for any correct answer.
b	Any correct combination e.g. $m=5, n=2$	1	1 mark for any correct answer.
19.			
	£75	2	2 marks for a correct answer. 1 mark for correctly calculating $\pounds 58 \times 1.3 = \pounds 75.40$ but not rounding correctly, or incorrect calculation rounded correctly.
		Total 35	

Question 16.

