

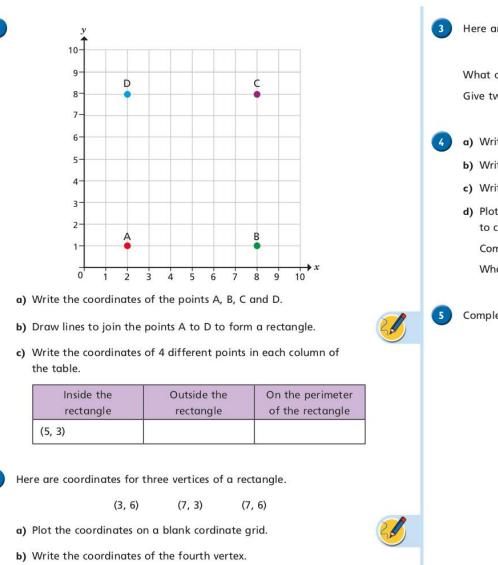
#### Monday 1<sup>st</sup> February

The first quadrant Watch the video link and answer the following questions

https://vimeo.com/481214525

#### The first quadrant





Here are coordinates for two vertices of a square.

(5, 2) (5, 6)

What could the coordinates of the other two vertices be? Give two possible solutions.

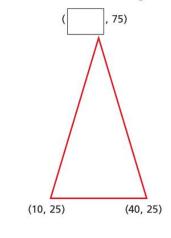
a) Write a set of coordinates that would join to make a right-angled triangle.

- b) Write a set of coordinates that would join to make a pentagon.
- c) Write a set of coordinates that would join to make a trapezium.
- d) Plot your points from parts a), b) and c) on a blank coordinate grid to check you are correct.

Compare shapes with a partner.

What is the same? What is different?

Complete the coordinate for the isosceles triangle.

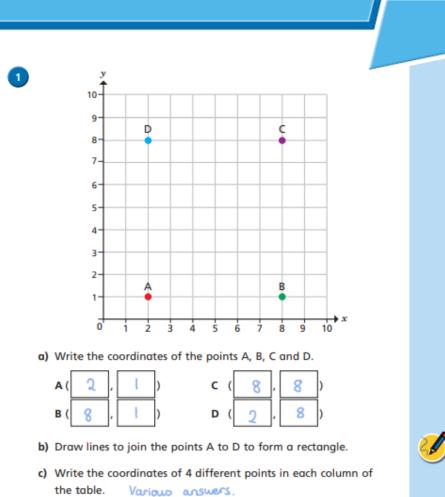


 $\bigcirc$ 

+x



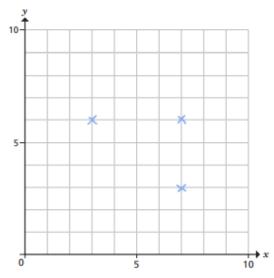
#### The first quadrant



Inside the rectangle	Outside the rectangle	On the perimeter of the rectangle
(5, 3)		

- 2 Here are coordinates for three vertices of a rectangle.
  - (3, 6) (7, 3) (7, 6)

#### a) Plot the coordinates.



#### b) Write the coordinates of the fourth vertex.



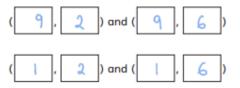


Maths

Here are coordinates for two vertices of a square.

(5, 2) (5, 6)

What could the coordinates of the other two vertices be? Give two possible solutions.



#### The first quadrant



Here are coordinates for two vertices of a square.

(5, 2) (5, 6)

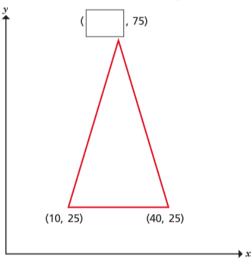
What could the coordinates of the other two vertices be? Give two possible solutions.

- a) Write a set of coordinates that would join to make a right-angled triangle.
  - b) Write a set of coordinates that would join to make a pentagon.
  - c) Write a set of coordinates that would join to make a trapezium.
  - d) Plot your points from parts a), b) and c) on a blank coordinate grid to check you are correct.

Compare shapes with a partner.

What is the same? What is different?

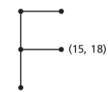
Complete the coordinate for the isosceles triangle.



6

the diagram.

Eva has drawn an F on a coordinate grid. One point is labelled. Suggest possible values for the other points and label them on



Compare answers with a partner.

Is there more than one possible set of answers?



CHALLENGE QUESTIONS



#### Various answers. a) Write a set of coordinates that would join to make a Complete the coordinate for the isosceles triangle. right-angled triangle. (1,1) (1,1)b) Write a set of coordinates that would join to make a pentagon. (4,10) (3,9) (5,9) (3,7) (5,7) c) Write a set of coordinates that would join to make a trapezium. (4,1) (2,2) (2,4) (4,5)d) Plot your points from parts a), b) and c) to check you are correct. 15-14-

10 11 12 13 14 15 x

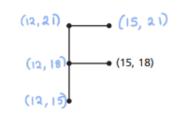
Eva has drawn an F on a coordinate grid. One point is labelled. Suggest possible values for the other points and label them on the diagram. Various answerse.q.

25

75)

(40, 25)

 $\rightarrow x$ 



Compare answers with a partner.

Is there more than one possible set of answers?

(10, 25)





Ron

What is the same? What is different?

Compare shapes with a partner.

8 9

13-12-

11-10-

9-

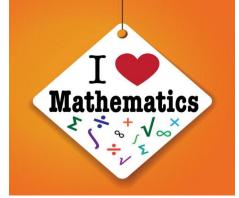
8

7. 6-

5-4-3-

2-1

0

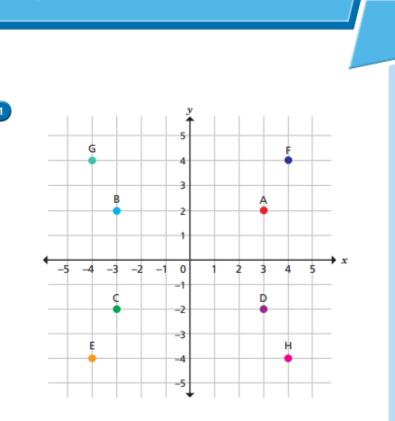


### Tuesday 2<sup>nd</sup> February

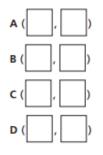
Four quadrants Watch the video link and answer the following questions

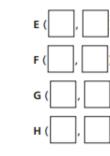
https://vimeo.com/481215270

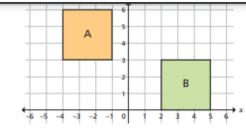
#### Four quadrants



Write the coordinates of points A to H.







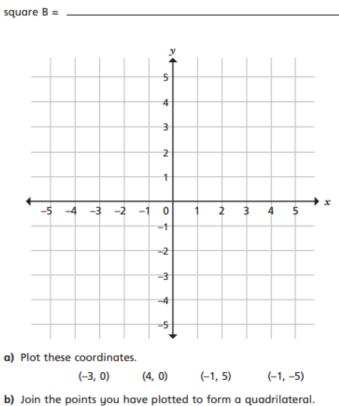
Write the coordinates for each vertex of each square.



2

3

Rose Maths



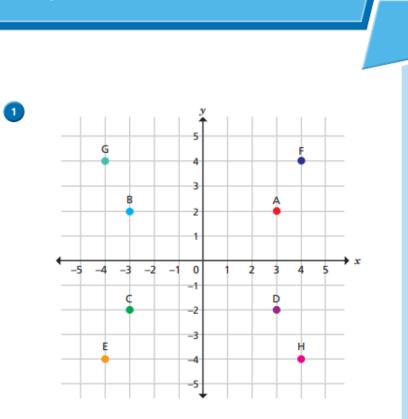
c) Complete the sentence to describe the shape you have drawn.

This quadrilateral is a \_\_\_\_\_

GB

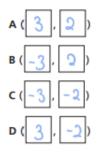


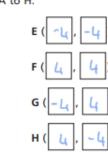
#### Four quadrants

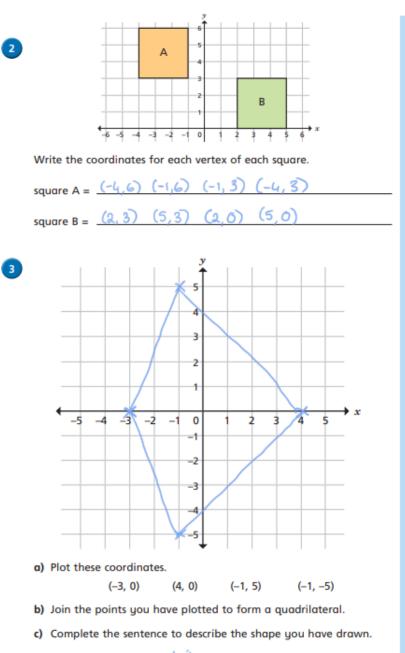


White Rose Maths

#### Write the coordinates of points A to H.

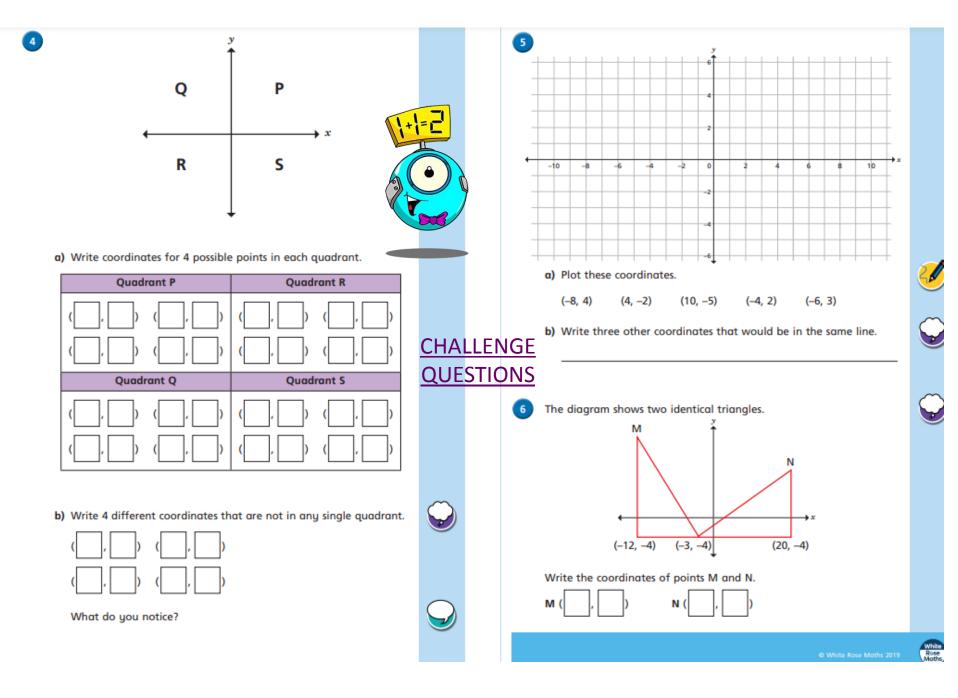




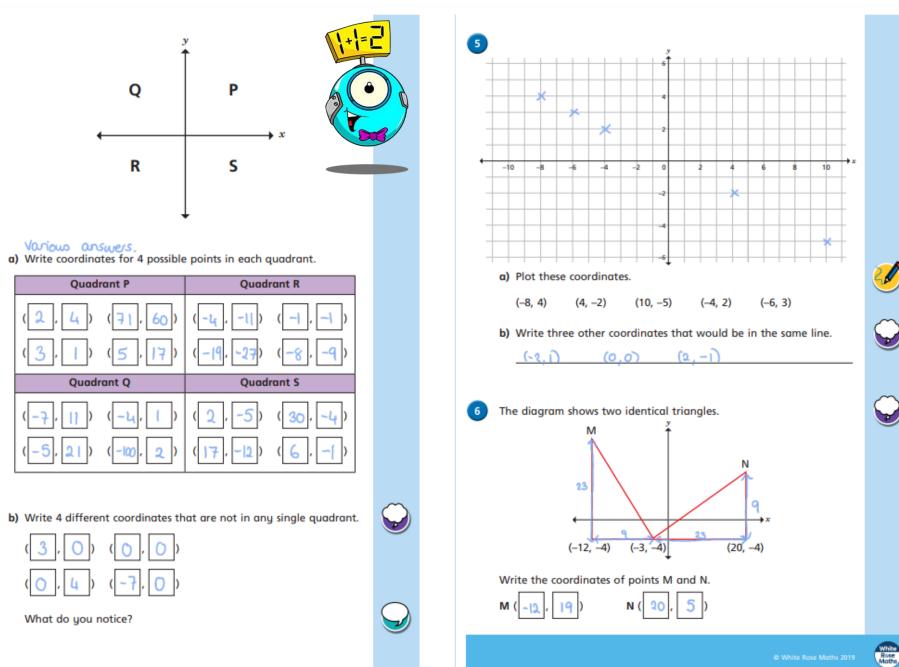


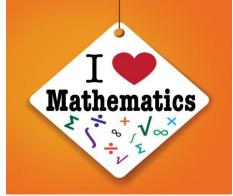
This quadrilateral is a <u>wite</u>

30





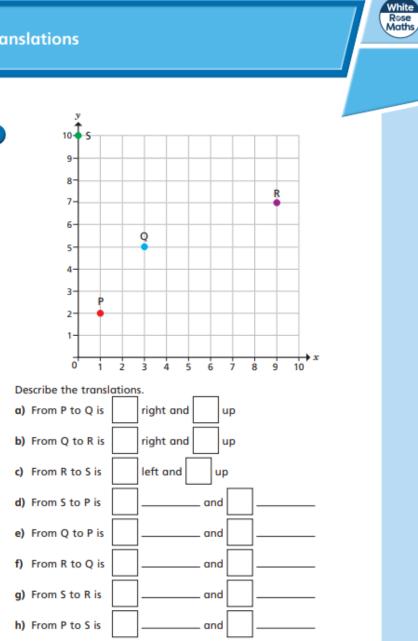


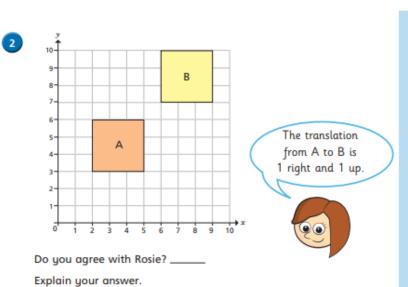


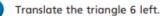
### Wednesday 3<sup>rd</sup> February

Translations Watch the video link and answer the following questions https://vimeo.com/481216178

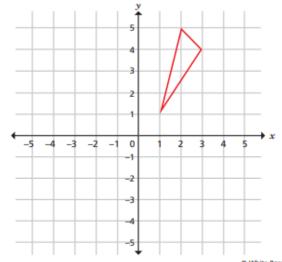
#### Translations





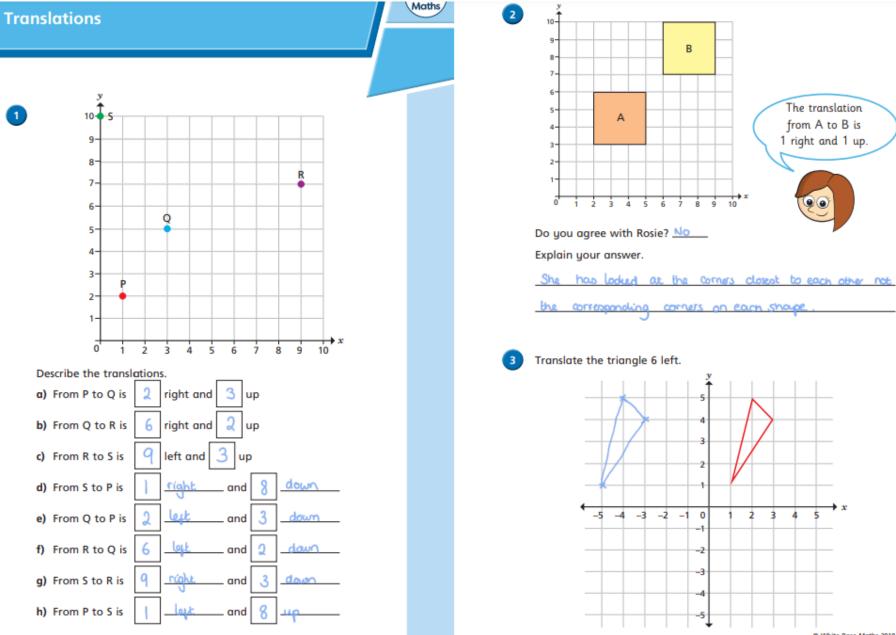


3



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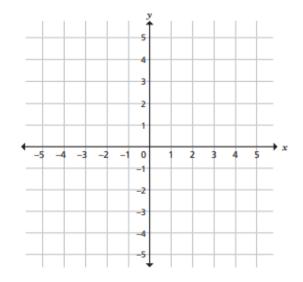
C.

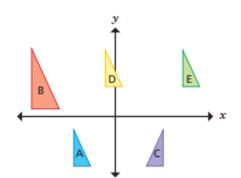
These coordinates form a quadrilateral: (-5, 5), (-5, 1), (-1, 4), (-1, 2)

It is translated 3 right and 4 down.

4

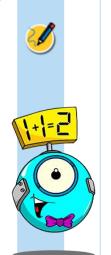
Draw the quadrilateral on the grid in its new position.





Which triangles are translations of each other?

Explain why the others are not translations.



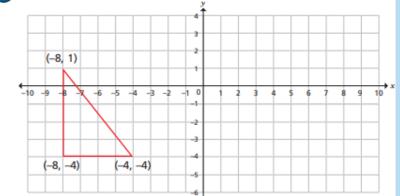
**CHALLENGE** 

**QUESTIONS** 

7

6

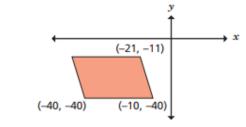
A triangle is drawn on the coordinate grid.



a) Translate the triangle 9 right and 1 down.

b) Tick the correct box for each coordinate.

Point	Inside the new triangle	Outside the new triangle	On the perimeter of the new triangle
(0, 0)			
(4, -5)			
(2, -1)			
(6,3)			
(3, -4)			



This parallelogram has been translated 50 left and 25 down.

What were the coordinates of all four vertices before it was translated?

White Rose Maths

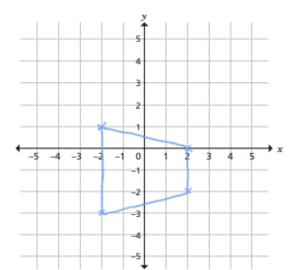


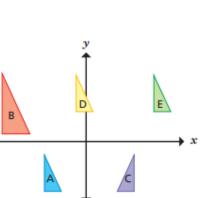
These coordinates form a quadrilateral: (-5, 5), (-5, 1), (-1, 4), (-1, 2)

It is translated 3 right and 4 down.

4

Draw the quadrilateral on the grid in its new position.





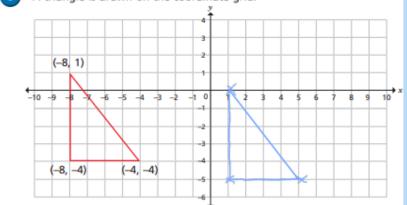
Which triangles are translations of each other?

#### A. D and E

Explain why the others are not translations.

6 A triangle is drawn on the coordinate grid.

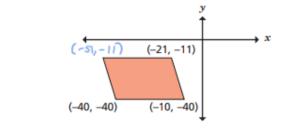
20



a) Translate the triangle 9 right and 1 down.

b) Tick the correct box for each coordinate.

Point	Inside the new triangle	Outside the new triangle	On the perimeter of the new triangle
(0, 0)		$\checkmark$	/
(4, -5)			$\checkmark$
(2, -1)			
(6,3)	/	$\checkmark$	
(3, -4)			

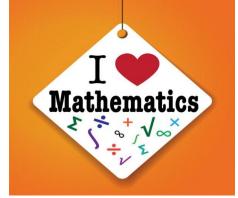


This parallelogram has been translated 50 left and 25 down.

What were the coordinates of all four vertices before it was translated?

(-1, 14) (29, 14) (10, -15) (40, -15)



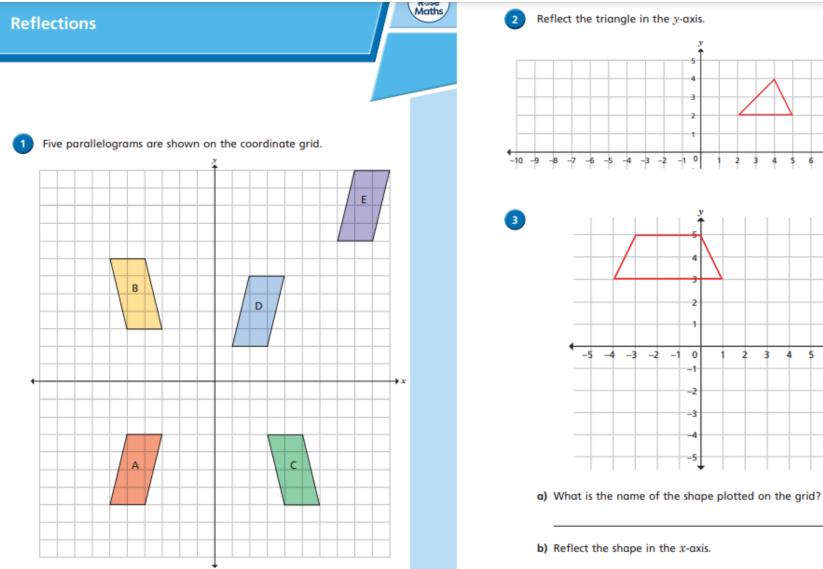


### Thursday 4<sup>th</sup> February

#### Reflections

# Watch the video link and answer the following questions

https://vimeo.com/481620188



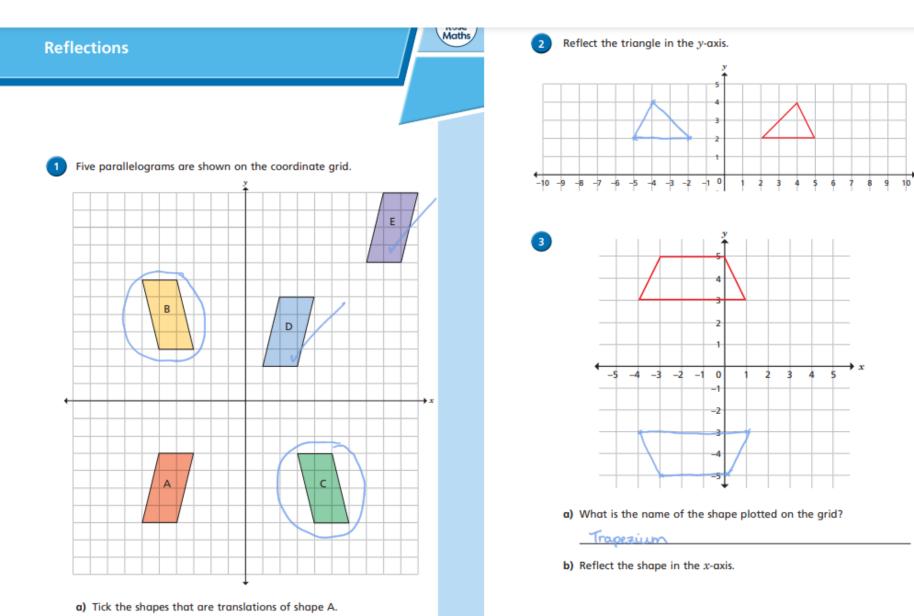
a) Tick the shapes that are translations of shape A.

b) Circle the shapes that are reflections of shape A.

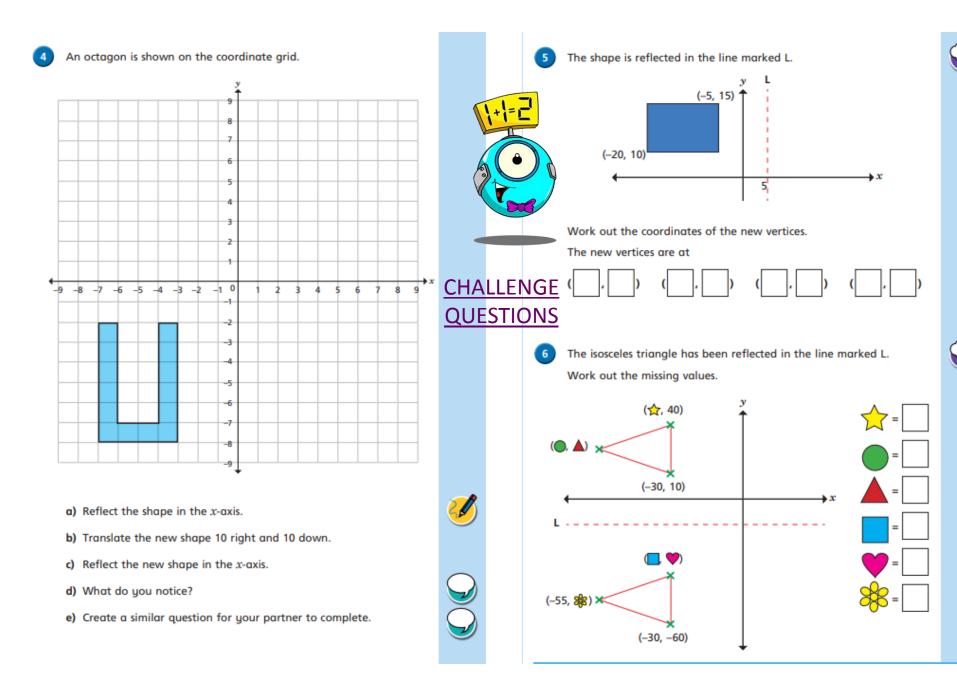
ż ż. 4 5 6 7 9 10 8 x Ż 3 À

20



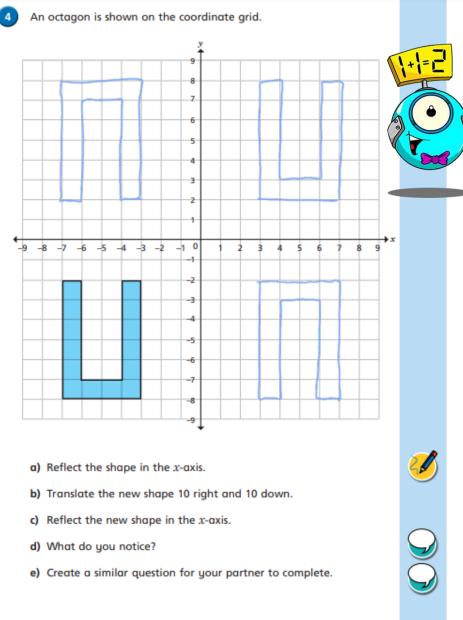


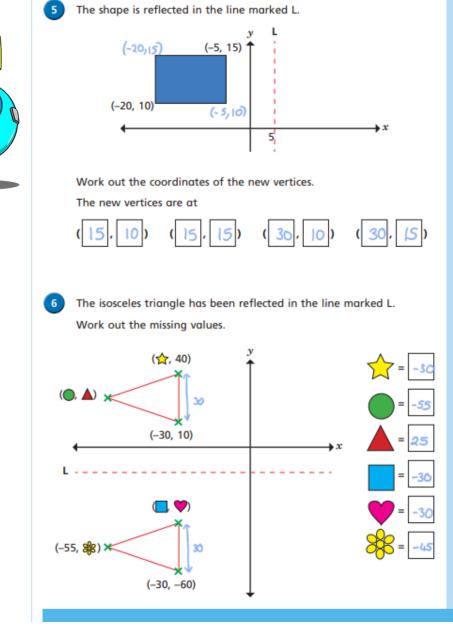
b) Circle the shapes that are reflections of shape A.

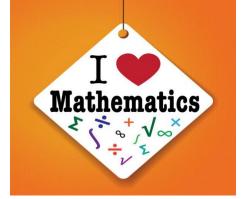




elyxendra







### Friday 5<sup>th</sup> February

**Skills Check** 

Name: \_\_\_\_\_\_

Date: \_\_\_\_\_

Class/Group: \_\_\_\_\_

A: Place Value, Add, Subtract, Multiply	and Divide	B: Fractions, Ratio, Proportion and Alge	bra	C: Measure, Position and Direction	
1. Write in words: 2,034,601		11. Simplify this fraction fully: 18 54	6:7	21. 400ml of water are poured out of a 2.25 litre bottle. How much is left?	6:18/19
2. What is the value of the <b>3</b> in this number? 1,384,721	6:1	12. $1\frac{2}{3}-\frac{3}{4}=$	6:8	22. How many hours are there in three days?	6:19
3. Round 7.186 to the nearest whole number.	6:1	13. $\frac{1}{3} \div 3 =$	6:9	23. These rectangles have the <b>same</b> <b>area</b> . Find the missing side length.	6:20
4. The temperature drops from 1°C to -11°C. What is the difference?	6:2	14. What is the value of the <b>8</b> in this number: 25.738	6:10	4cm ← 6cm → 8cm →	
5. 2,140 x 32	6:3	15. Give your answer as a decimal: 26 ÷ 8	6:11	24. What are the co-ordinates of A?	6:27
6. 7,242 ÷ 17	6:3	16. Write this fraction as a decimal and a percentage. $(\frac{1}{2})$	6:12	4	
7. 15 and 27 only have two <b>common</b> factors. What are they?	6:4	17. Find <b>75%</b> of 520.	6:13		
8. The number 30 has <b>three prime</b> factors. What are they?	6:4	18. The ratio of cats to dogs 3:2. If there are 15 cats, how many dogs?	6:14	5 -4 -3 -2 -1 0 1 2 3 4 5 x	
9. (25 + 13) ÷ 2	6:5	19. I have <b>m</b> pence. I spend 17p. Write an expression for this.	6:15	B C 4	6:28
10. How many 52-seater buses does a school need for 198 pupils and staff?	6:6	20. Write a possible value for <b>a</b> and <b>b</b> . 2 x <b>a</b> + <b>b</b> = 17	6:17	25. <b>Translate</b> triangle <b>ABC</b> 5 units right and 2 units up.	0.20
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (1	0-19) G (20-25)	



elyxendra

				1	
A: Place Value, Add, Subtract, Multiply and Divide		B: Fractions, Ratio, Proportion and Algebra		C: Measure, Position and Direction	
1. Write in words: 2,034,601 6:1 Two million, thi thousand, six hundr	-	11. Simplify this fraction fully: 18 54	6:7 1 3	21. 400ml of water are poured out of a 2.25 litre bottle. How much is left?	<sup>6:18/19</sup> 1.85l or 1,850ml
2. What is the value of the <b>3</b> in this number? 1,384,721	6:1 300,000	12. $1\frac{2}{3}-\frac{3}{4}=$	6:8 <u>11</u> 12	22. How many hours are there in three days?	<sup>6:19</sup> 72
3. Round 7.186 to the nearest whole number.	6:1 7	13. $\frac{1}{3} \div 3 =$	6:9 1 9	23. These rectangles have the <b>same</b> <b>area</b> . Find the missing side length.	6:20 <b>3</b>
4. The temperature drops from 1°C to -11°C. What is the difference?	6:2 12°C	14. What is the value of the <b>8</b> in this number: 25.738	6:10 <u>8</u> 1000	4cm ← 6cm → 8cm →	
5. 2,140 x 32	68,480	15. Give your answer as a decimal: 26 ÷ 8	6:11 <b>3.25</b>	24. What are the co-ordinates of A?	6:27
6. 7,242 ÷ 17	<sup>6:3</sup> 426	16. Write this fraction as a decimal and a percentage. $1 \\ 2$	6:12 0.5, 50%	4	
7. 15 and 27 only have two <b>common</b> factors. What are they?	6:4 1 and 3	17. Find <b>75%</b> of 520.	6:13 <b>390</b>	2. 1 -5 -4 -8 -2 -10 1 2 8 4 5 x	(-3,-1)
8. The number 30 has <b>three prime</b> <b>factors</b> . What are they?	<sup>6:4</sup> 2, 3, and 5	18. The ratio of cats to dogs 3:2. If there are 15 cats, how many dogs?	6:14 <b>10</b>	A -1 -2 -2 -2	
9. (25 + 13) ÷ 2	6:5 <b>19</b>	19. I have <b>m</b> pence. I spend 17p. Write an expression for this.	6:15 m – 17	B C 4	
10. How many 52-seater buses does a school need for 198 pupils and staff?	<sup>6:6</sup> 4	20. Write a possible value for <b>a</b> and <b>b</b> . 2 x <b>a</b> + <b>b</b> = 17	6:17 Any 2 that work	25. <b>Translate</b> triangle <b>ABC</b> 5 units right and 2 units up.	6:28
Total (A)		Total (B)		Total (C)	
Test Total (A+B+C)		R (0-9)	Y (1	0-19) G (20-25)	)

ENCLICE A MUTTER MULCRONE