

Canonbury Home Learning

Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 3

LO: TBAT identify coordinates.

Task: You are going to apply your knowledge to solve several problems including coordinates.

Success Criteria:

1. Read the question.
2. To identify coordinates read the x axis first.
3. Then the y axis.
4. Remember to place the coordinates in brackets.

Recap:

Please watch my model video.

Co-ordinates in the 4 Quadrants

Warning! This work involves negative numbers. Remember to follow the same rules for creating co-ordinates – x before y.

1st Quadrant
If both co-ordinates are positive numbers, it will fall in here. (4,3)

2nd Quadrant
If the first co-ordinate is negative and the second co-ordinate is positive, it will fall in here. (-4,3)

3rd Quadrant
If both co-ordinates are negative numbers, it will fall in here. (-4,-3)

4th Quadrant
If the first co-ordinate is positive and the second co-ordinate is negative, it will fall in here. (4,-3)

Can you work out what the co-ordinates are for each of the 4 letters?

twinkl www.twinkl.co.uk

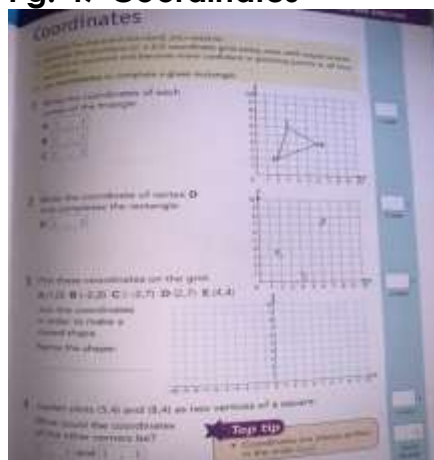
Coordinates

Along the Corridor and up the Stairs

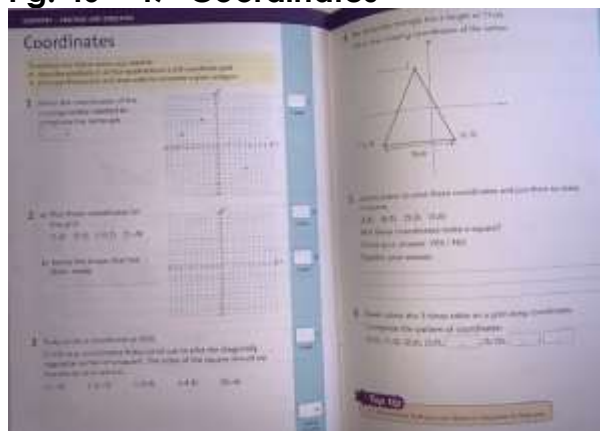
twinkl

Task 1

SATs Book Activities
Developing/ Expected
Pg. 47 Coordinates



Greater Depth
Pg. 46 – 47 Coordinates



Task 2

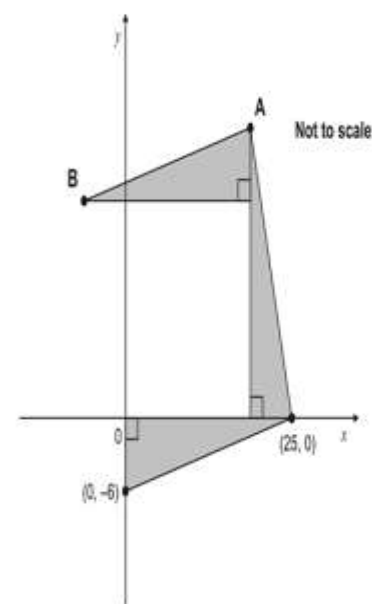
Arithmetic

8	$\frac{1}{8}$ of 996 =
9	$\begin{array}{r} 6291 \\ - 4834 \\ \hline \end{array}$
10	$9.03 \times 10 =$
11	$\begin{array}{r} 37.9 \\ + 87.4 \\ \hline \end{array}$
12	$154 \times 7 =$
13	$0.6 = ? \%$
14	$686 \div 8 =$

Task 3

Problem Solving/ Reasoning
Task 1

The diagram shows three identical shaded triangles on coordinate axes.

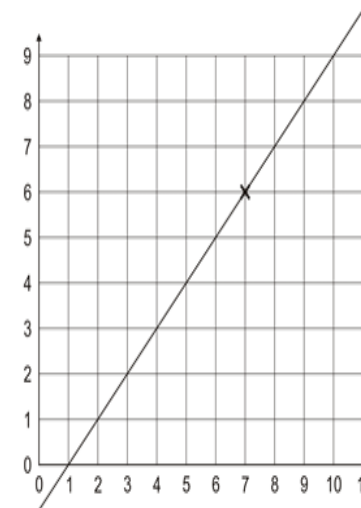


What are the coordinates of A and B?

A is ,

B is ,

Task 2



(7, 6) are coordinates of a point on the line.

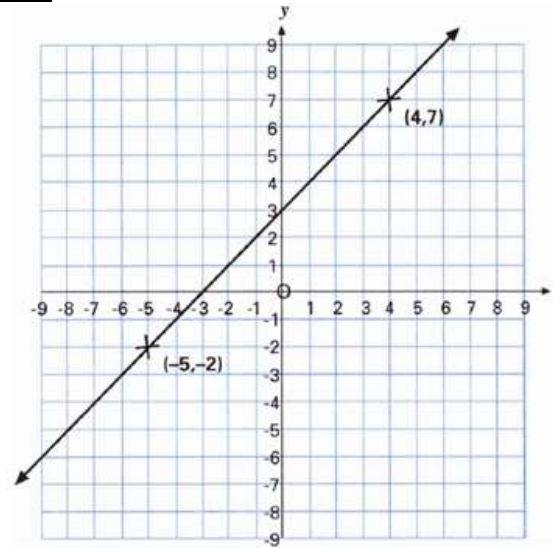
Tick (✓) which of these are coordinates of other points on the line.

(3, 2) (9, 10) (5, 4)

(4, 2) (10, 9) (7, 9)

How do you know that point (11, 12) would not be on this line?

Task 3



If the line were extended, would it pass through point $(-100, -103)$?

Circle Yes or No.

Yes / No

Explain how you know.

Use x and y to write the equation of the line.

$y =$