

2/03/21

(Starter) O LO: Can I solve missing number problems?

(Main) O LO: Can I continue to translate and draw shapes on a coordinates grid?

For further guidance on the activities for the lesson today as well as for the rest of the week, click the link titled 'Maths - weekly input'.

Starter:

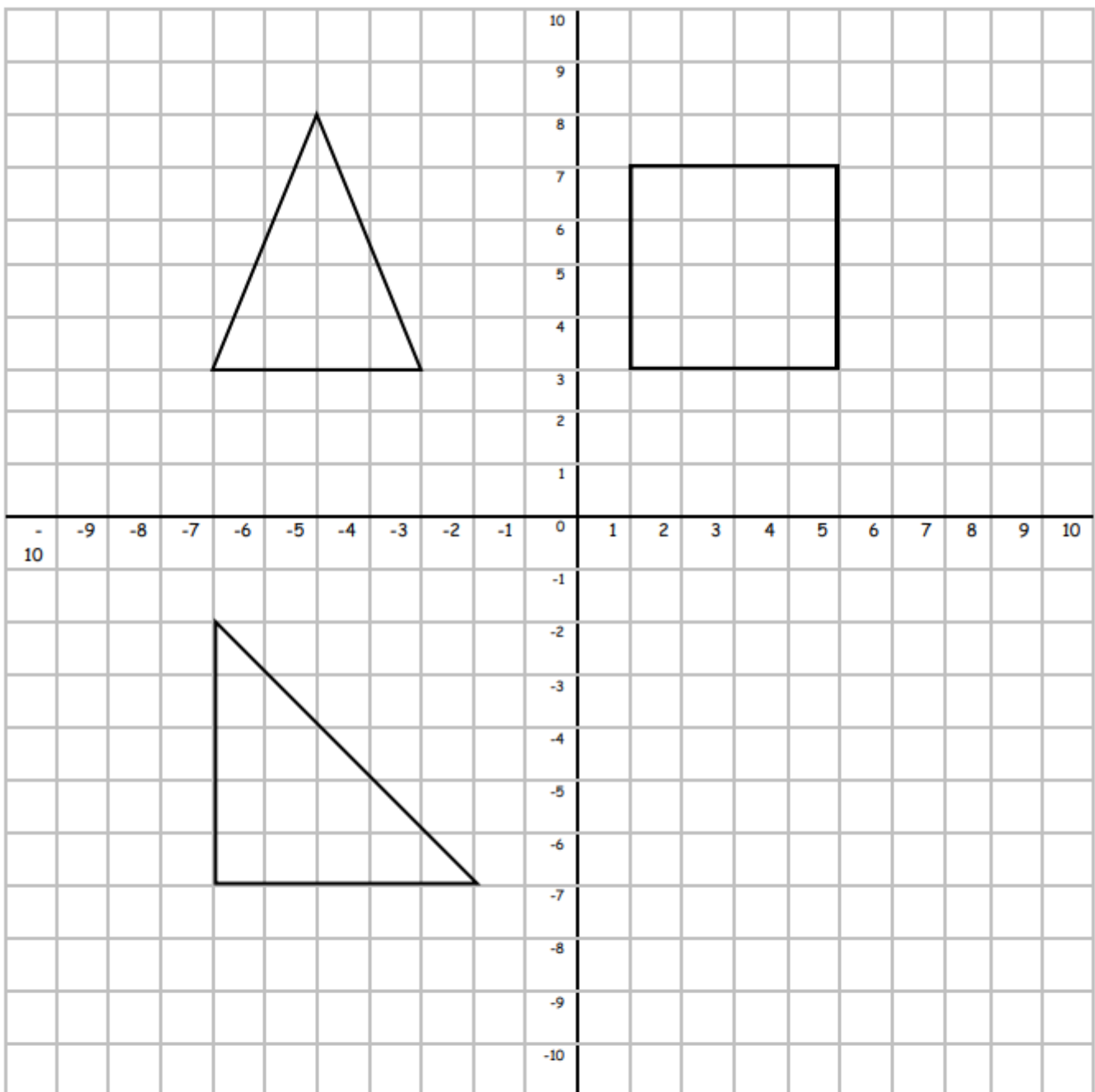
Solve the missing number sums below by working out the number that should be in place of the question mark. Remember to think about using the inverse where you need to!

1. $854 + ? = 958$
2. $24 + ? = 4687$
3. $? + 6571 = 9852$
4. $567 - ? = 237$
5. $9854 - ? = 1352$
6. $4466 - ? = 2222$
7. $9954 - ? = 9800$
8. $3 \times ? = 21$
9. $? \times 8 = 64$
10. $4 \times ? = 16$
11. $25 \div ? = 5$

Main:

Work through the translation activities below to build your confidence further from the lesson yesterday.

To make shapes with increasing accuracy.

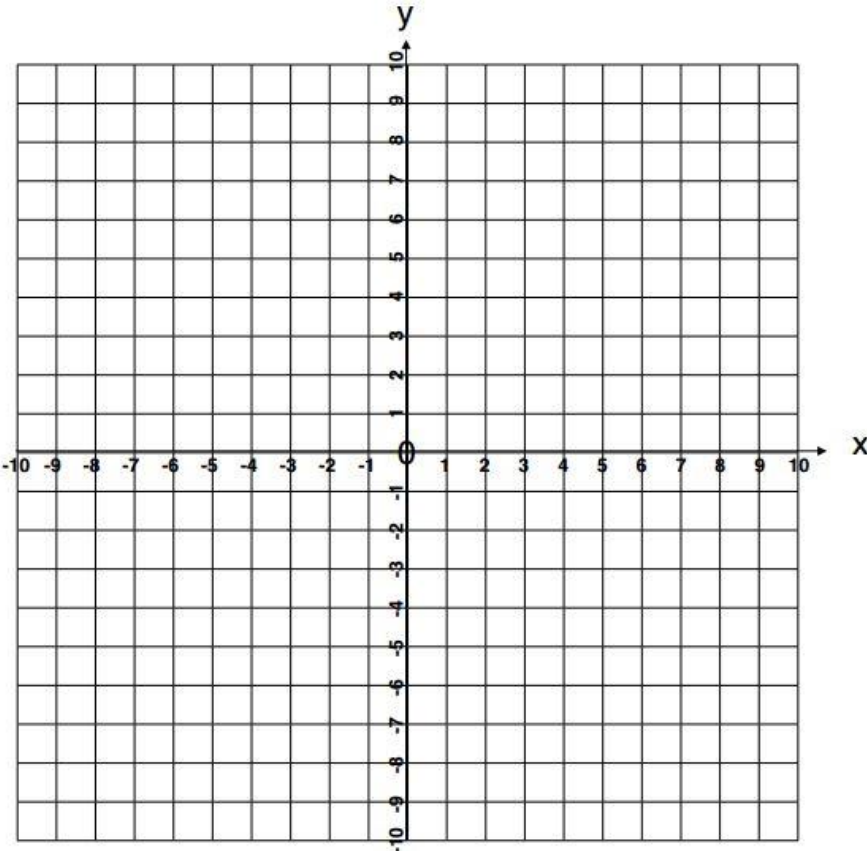


Write the initial co-ordinates in your book and then the shapes new co-ordinates after you have translated it.

- 1) Translate the rectangle 2 units down
- 2) Translate the isosceles triangle 5 units down and one unit left
- 3) Translate the right angled triangle 2 units right one unit left

Name _____ Date _____

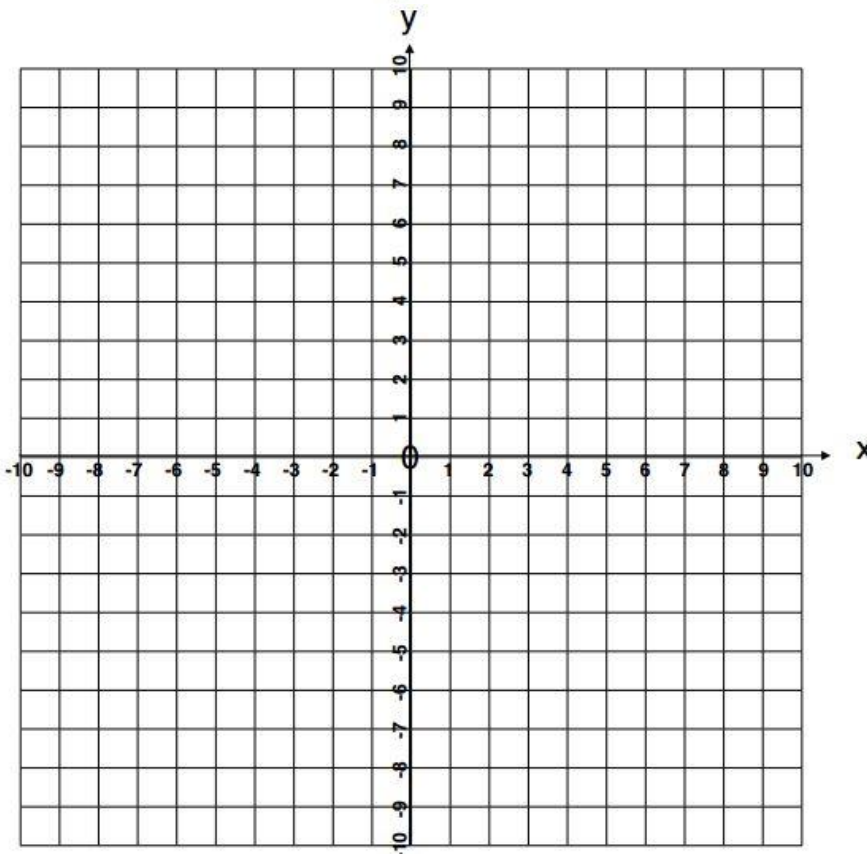
On the grid below, draw your own shape (don't make it too complicated, shapes with straight lines in them work best) and translate it. Write down the co-ordinates of your original shape. Write down how you are planning to move it (e.g. 2 up and 2 to the right) and then draw it again and write down the new co-ordinates.



The co-ordinates of the original shape are:

I moved it:

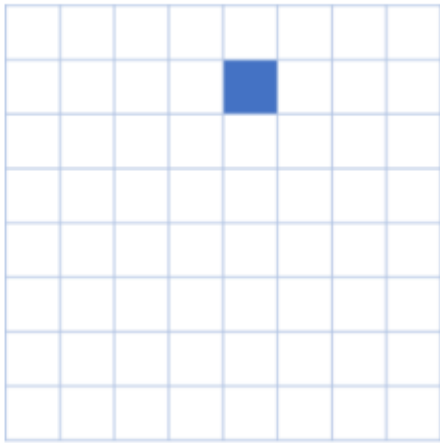
The shape's new co-ordinates are:



The co-ordinates of the original shape are:

I moved it:

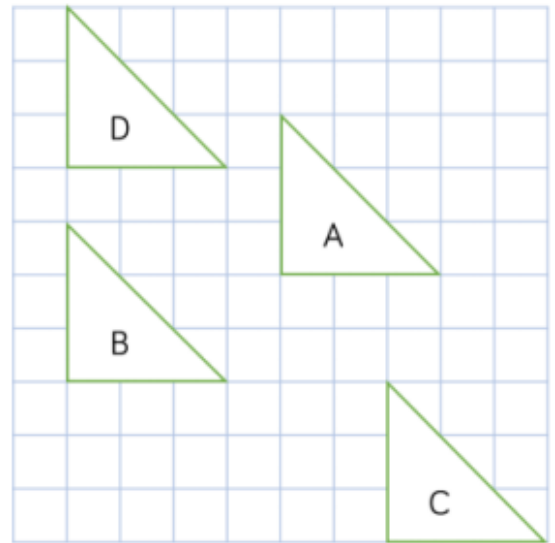
The shape's new co-ordinates are:



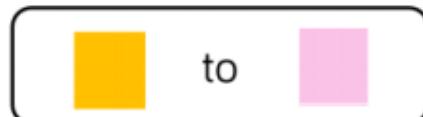
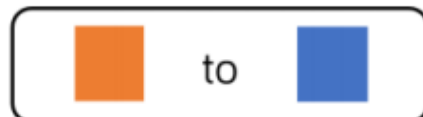
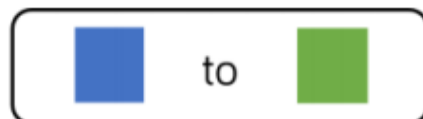
A square is translated two squares to the right and three down.
Draw the new position of this square.

Describe the translation of shape A to shape B, C and then D. Use the stem sentence to help you.

Shape A has been translated _____ left/right and _____ up/down.



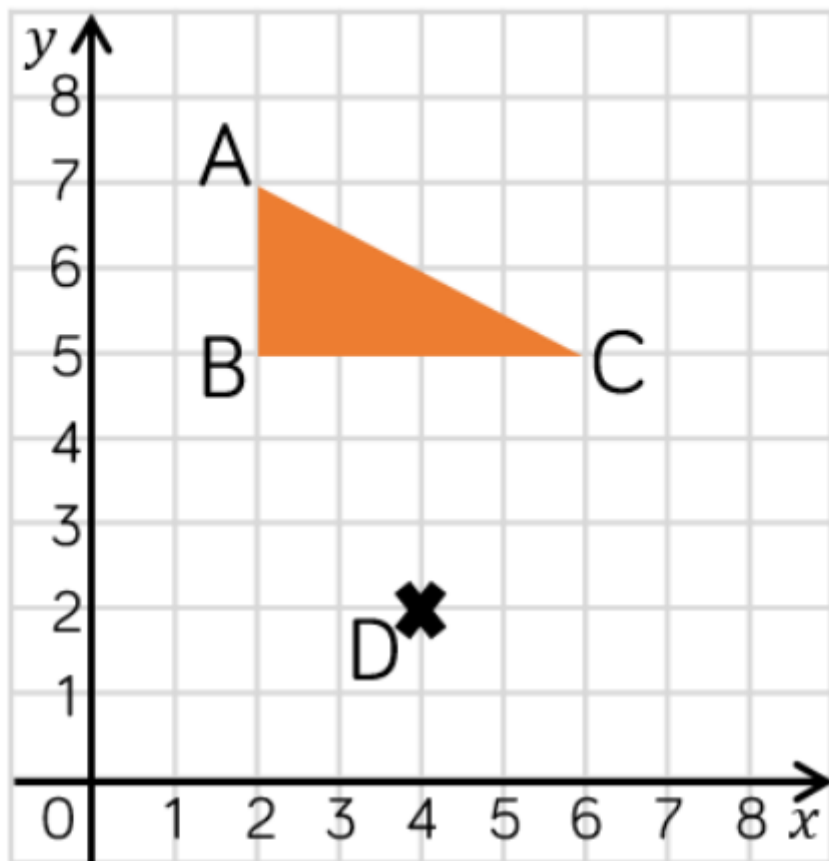
Match the translations.



4 right, 2 down

2 left, 3 up

5 left, 5 down



Triangle ABC is translated so that point B translates to point D

It won't fit on this grid!

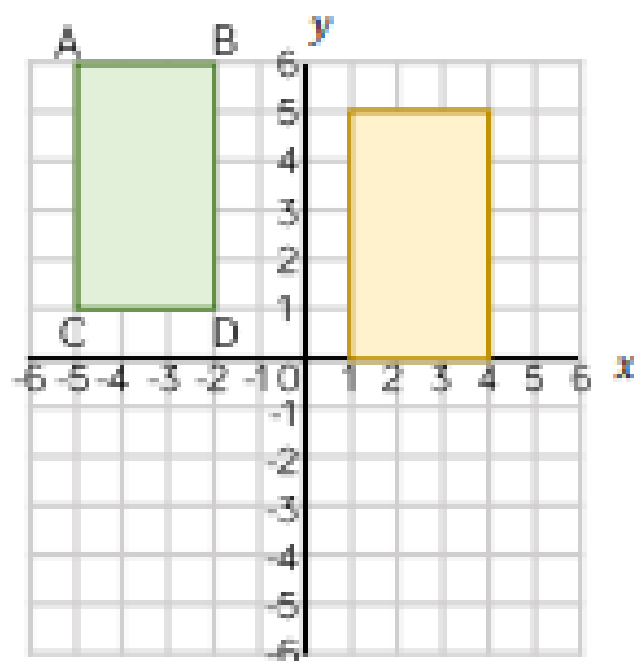


Amir

Do you agree with Amir?
Explain your thinking.

True or False?

Dexter has translated the rectangle ABCD 6 units down and 1 unit to the right to get to the yellow rectangle.



Explain your reasoning.