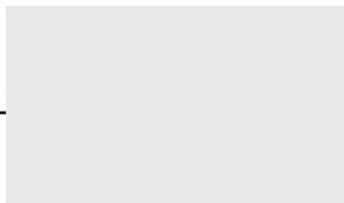


Tuesday Maths

<u>LO: Translation</u>	
<i>I know what translation means</i>	
<i>I can translate shapes on a grid</i>	
<i>I understand that I should translate each vertex to ensure I reposition the shape correctly</i>	

Teacher note:



Flashback 4

Year 6 | Week 12 | Day 2

- 1) What are the coordinates of point A?



CCCLVI

- 2) $\frac{1}{2}$ a cake is shared between 4 children.
What fraction of the cake do they each get?

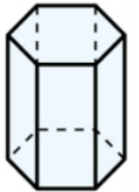
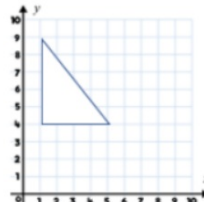
3) $\frac{3}{4} \times 4$

4) $4,032 \times 36$

Flashback 4

Year 5 | Week 8 | Day 2

- 1) What are the coordinates of the vertices of the triangle?

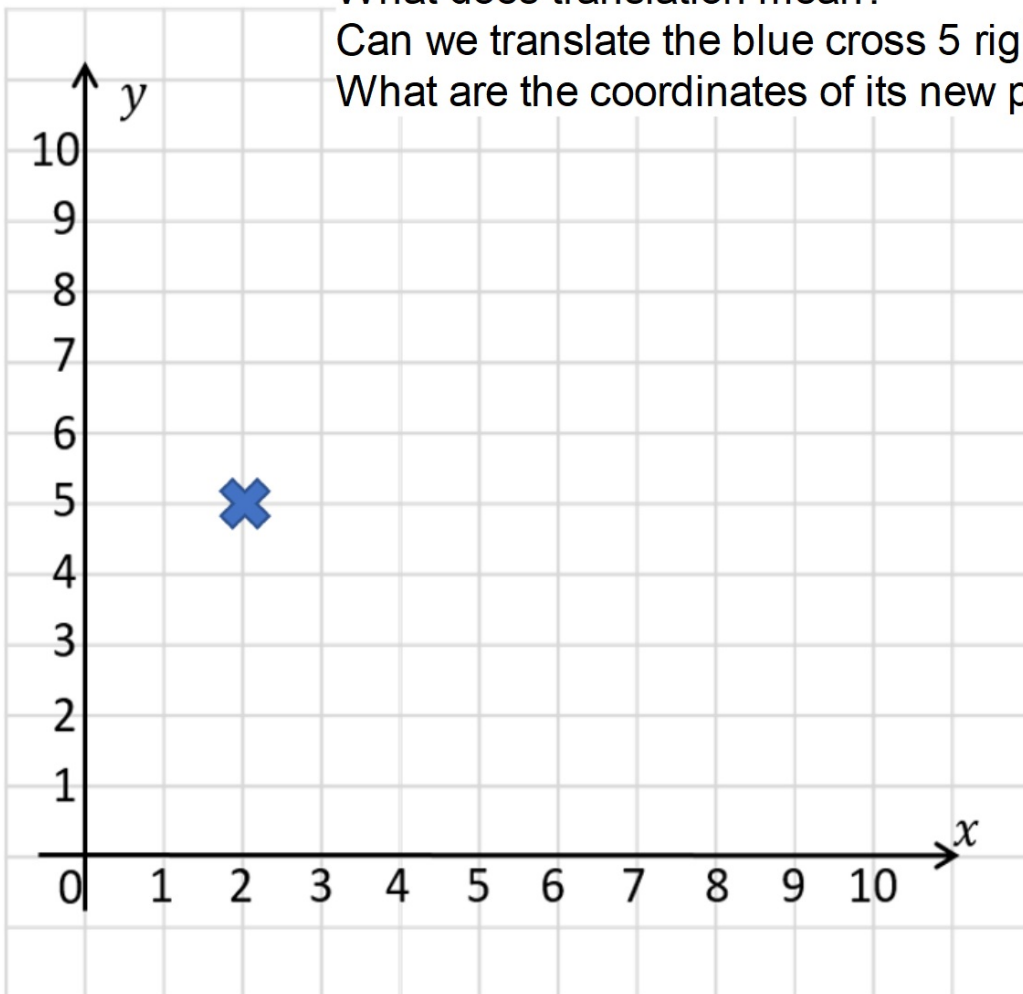


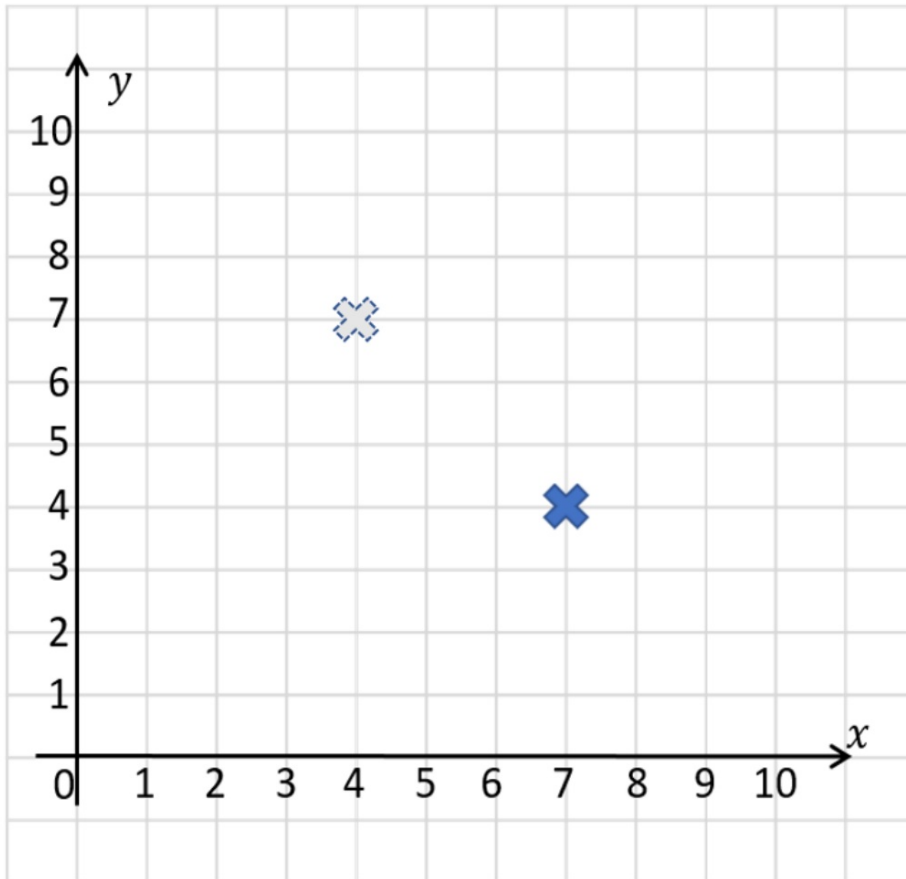
- 2) What is the size of each angle in an equilateral triangle.
- 3) If an angle is 96° , what type of angle is it?
- 4) Find the missing number $40 \times \square = 2,400$

What does translation mean?

Can we translate the blue cross 5 right and 3 up?


What are the coordinates of its new position?

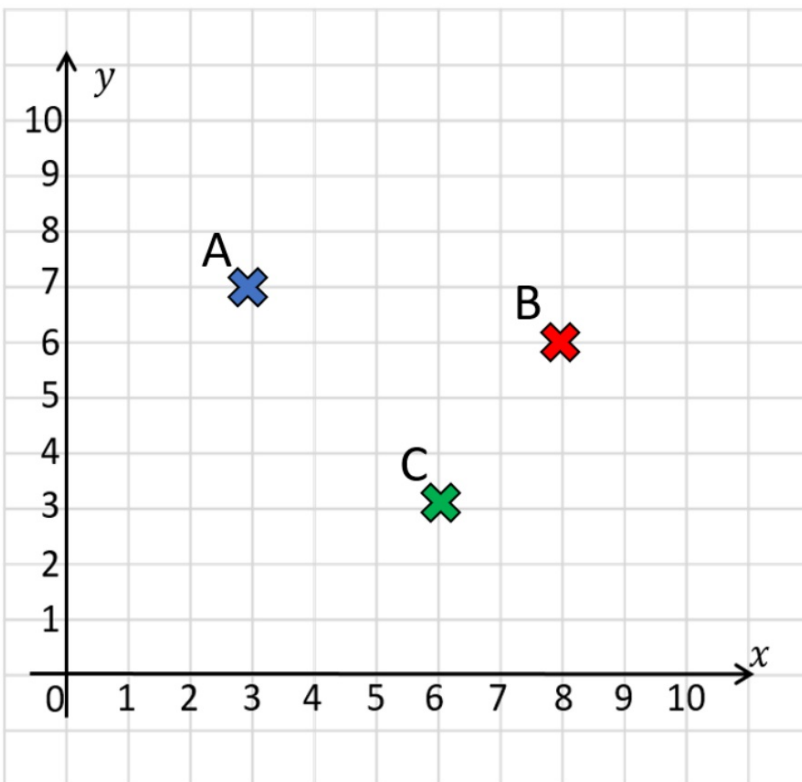




Can you describe the translation?

Can you describe the translations?

Have a think 



A → B

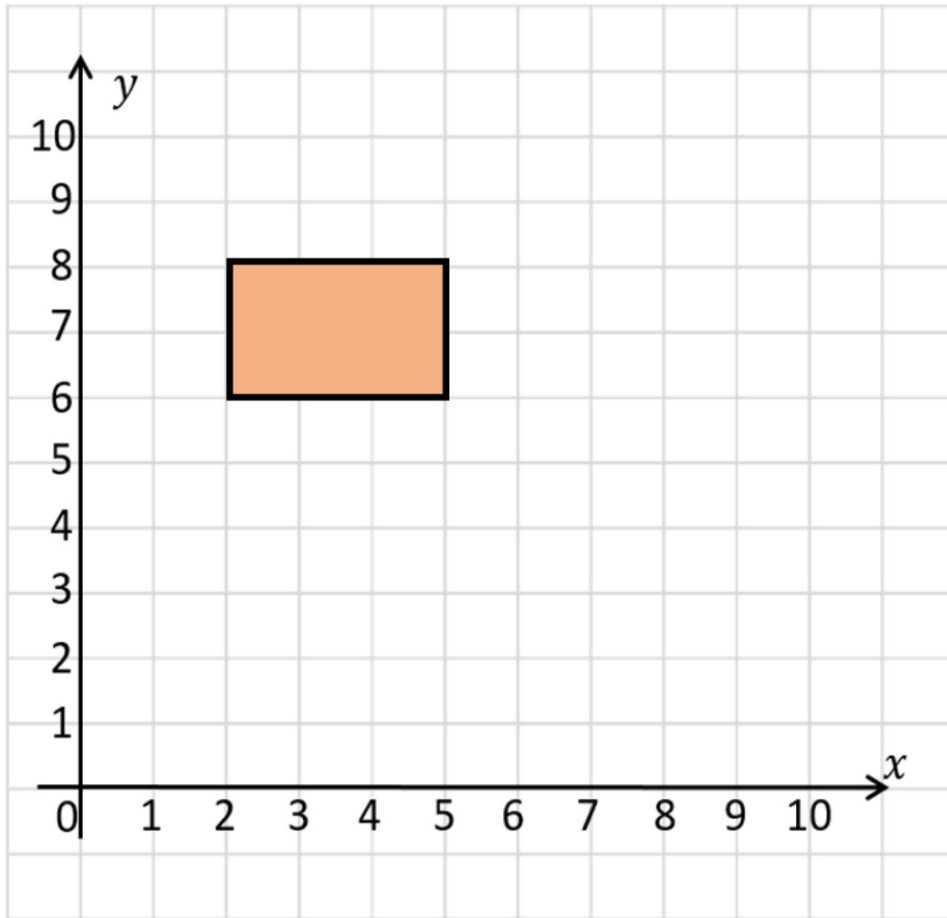
right down

B → C

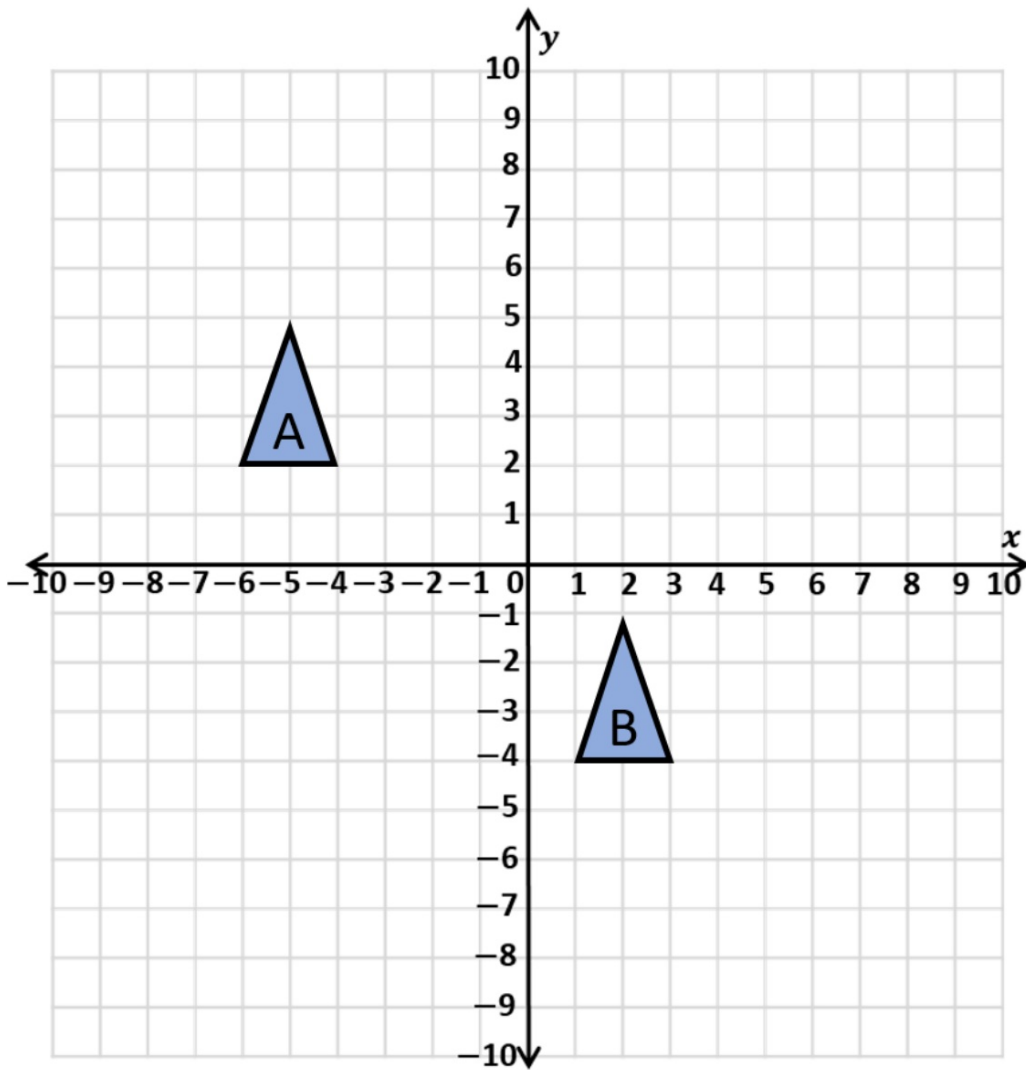
left down

B → A

left up

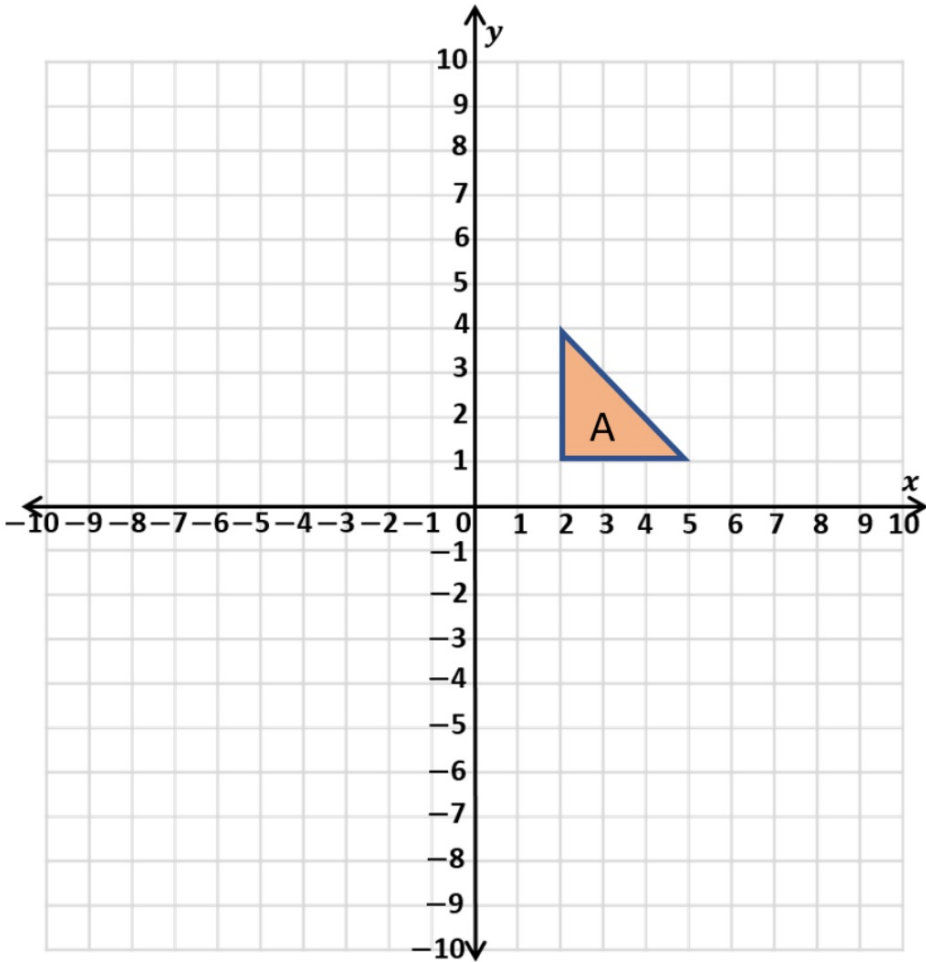


Translate the rectangle 1 left and 5 down.

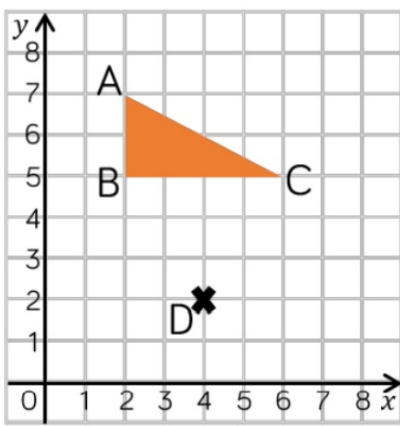


What is the translation of triangle A to triangle B?

Translate shape A 3 left and 7 down



Extension Year 5



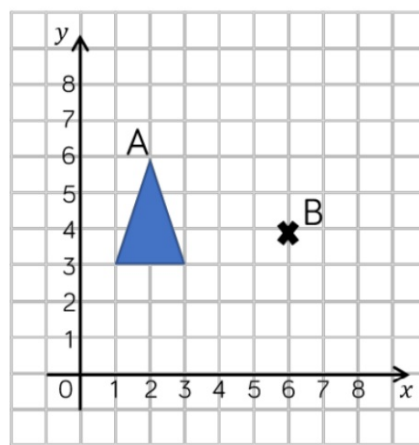
Triangle ABC is translated so that point B translates to point D

It won't fit on this grid!



Amir

Do you agree with Amir?
Explain your thinking.



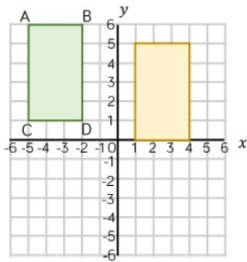
A triangle is drawn on the grid.
It is translated so that point A translates to point B.

What would be the coordinates of the other vertices of the translated triangle?

Extension Year 6

True or False?

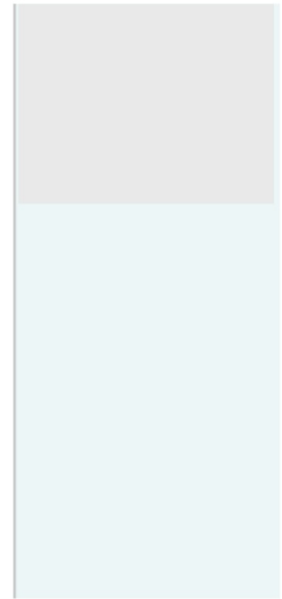
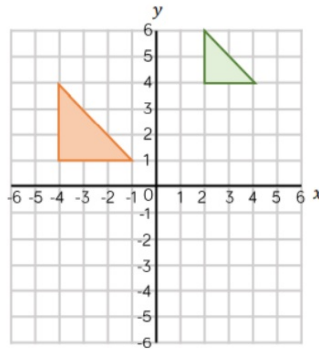
Dexter has translated the rectangle ABCD 6 units down and 1 unit to the right to get to the yellow rectangle.



Explain your reasoning.

Spot the Mistake.

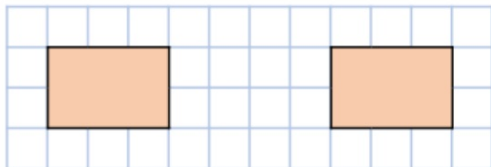
The green triangle has been translated 6 units to the left and 3 units down.



True or False ?

Translation

The rectangle has been translated 4 squares to the right.



White Rose Maths

True or False ?

Four quadrants

If a coordinate has two negative values, it will be in the lower left quadrant.

White Rose Maths

True or False ?

Translation

True or False ?

Four quadrants

White Rose Maths