

Maths

Coordinates and Translation

Monday

Activity 1

1. $\frac{5}{8} + \frac{2}{8}$

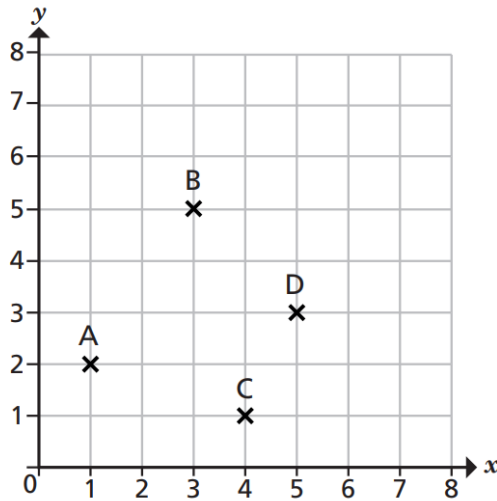
2. $\frac{3}{5}$ of 35

3. $154 + 60$

4. $\frac{1}{5} + \frac{11}{10}$

Activity 2

Four points have been plotted on a coordinate grid.



- a) Translate each point 3 to the right.
- b) Complete the table to show the coordinates of each point before and after the translation.

Point	Coordinates before	Coordinates after
A		
B		
C		
D		

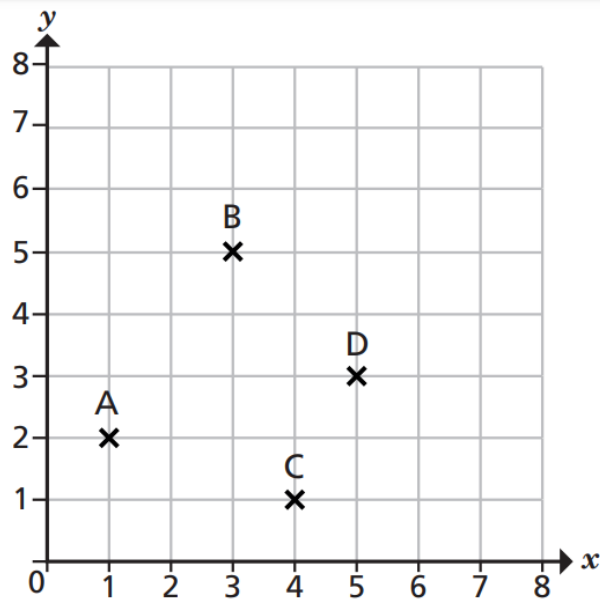
What do you notice?

- c) Which part of the coordinate stayed the same? _____
- d) Which part of the coordinate changed? _____
- e) Point E has the coordinates (12, 4). It is translated 3 to the right.

What are the coordinates of the translated point? (,)

Tuesday

Activity 1



- a) Translate each point 2 up.
- b) Complete the table to show the coordinates of each point before and after the translation.

Point	Coordinates before	Coordinates after
A		
B		
C		
D		

What do you notice?

c) What has stayed the same in each coordinate? _____

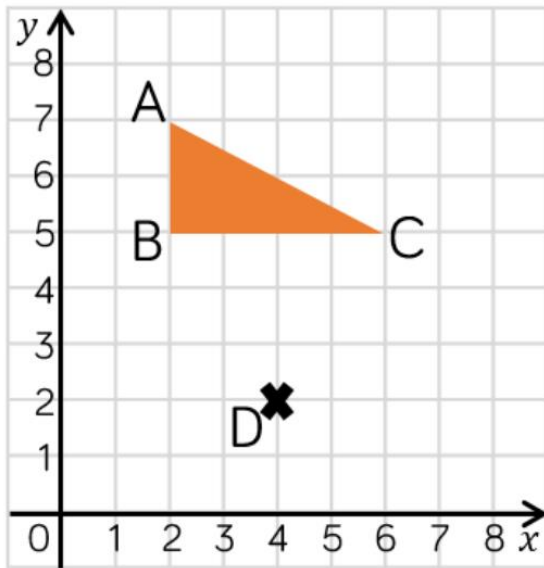
d) What has changed? _____

e) Point E has the coordinates (12, 4).

It is translated 2 up.

What are the coordinates of the translated point? (,)

Activity 2



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

It won't fit on this grid!



Amir

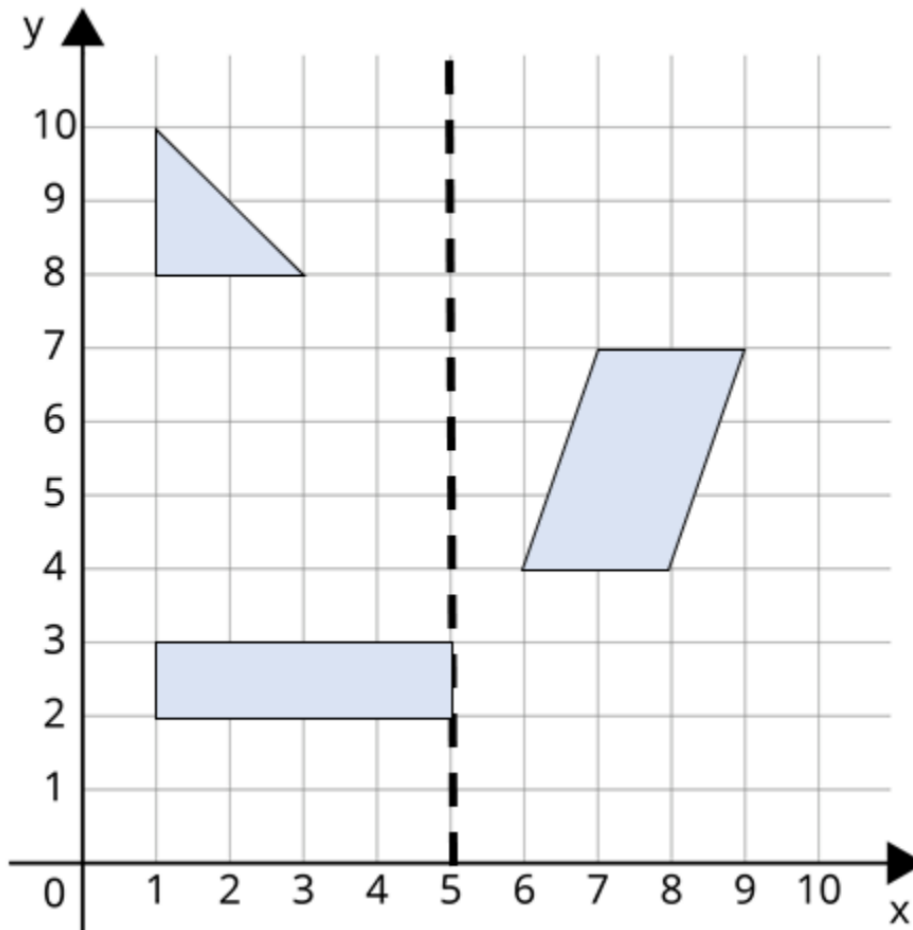
Do you agree with Amir?
Explain your thinking.

Wednesday

Activity 1

Explain how to read the coordinates on a grid.

What are the coordinates for the shapes on the grid?



Activity 2

Translate the triangle 2 places to the right.

What are the new coordinates of the triangle?

Translate the rectangle 3 places up.

What are the new coordinates for the rectangle?

Thursday

Activity 1

1. $5.04 + 0.06$

2. 40×90

3. 48×4

4. $7.4 - 1.23$

Activity 2

The answer is (2, 4).

Write at least 4 translation questions for the triangle grid that would give this answer.

