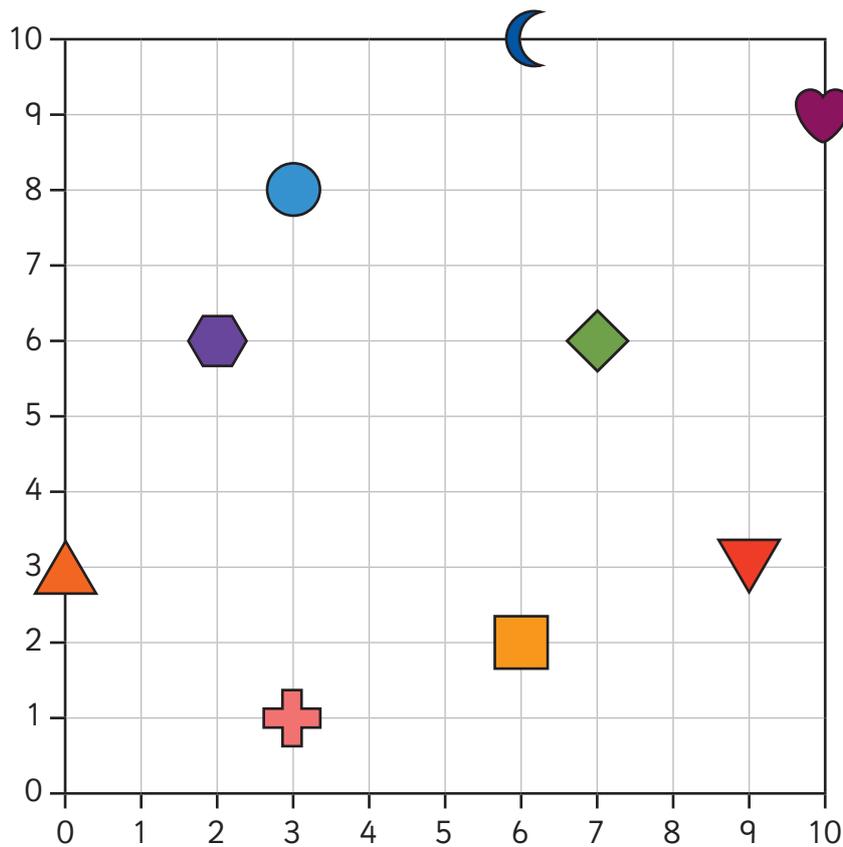


# Translations



**Task 1 – Describe the translations** between the following shapes. The first one has been done for you.

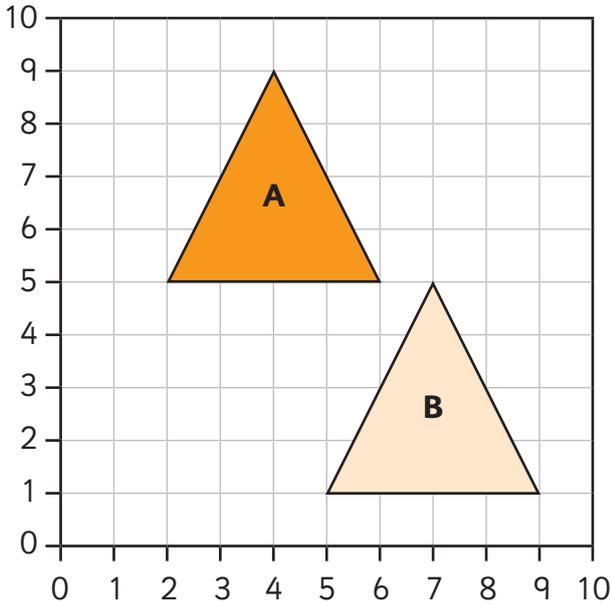
- a)  to  =  right / left,  up / down
- b)  to  =  right / left,  up / down
- c)  to  =  right / left,  up / down
- d)  to  =  right / left,  up / down
- e)  to  =  right / left,  up / down
- f)  to  =  right / left,  up / down
- g)  to  =  right / left,  up / down
- h)  to  =  right / left,  up / down



# Translations

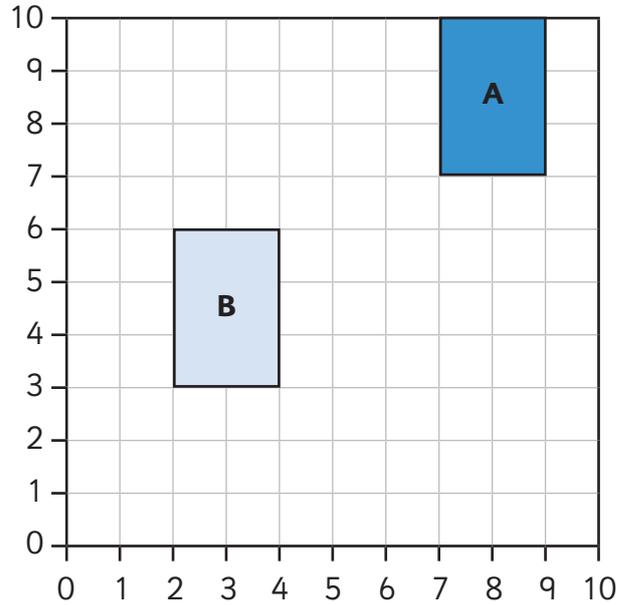
**Task 2** – These shapes have been moved from A to B. Can you describe the translation?

**Focus on one vertex of shape A and follow it to the same vertex of shape B.**



Translation =

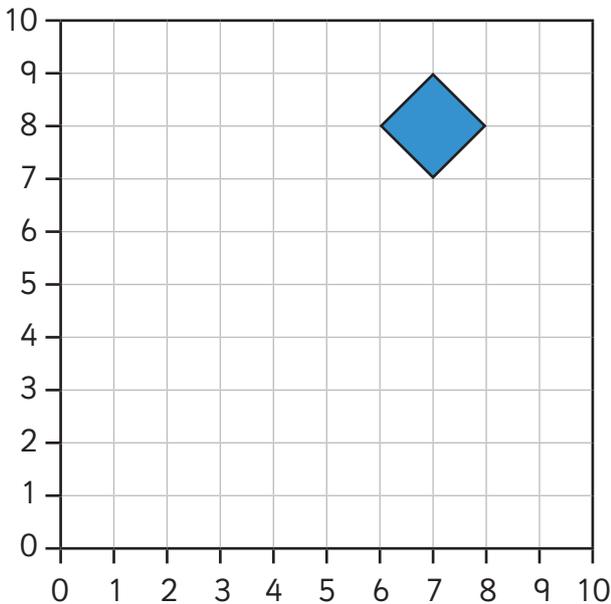
.....



Translation =

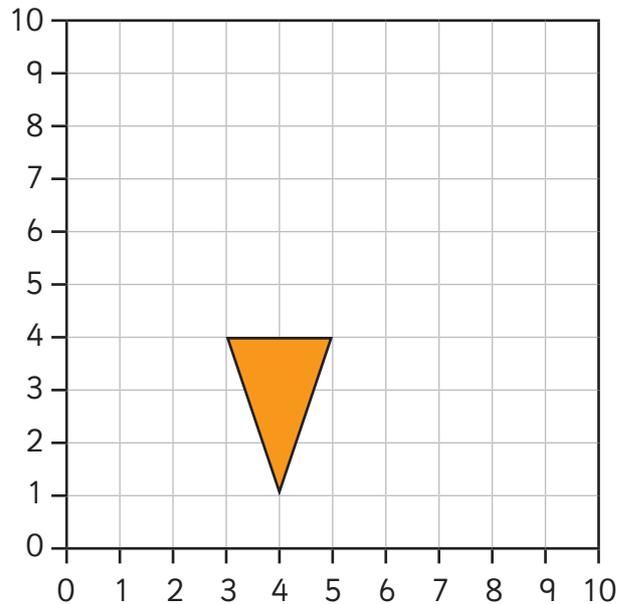
.....

**Task 3** – Follow the instructions to translate these shapes: **Hint: Translate one vertex at a time.**



- a) Translate the **blue** square **3 left, 2 down**.  
**Draw the new shape on the grid.**  
 Write the **new coordinates** of the vertices:

.....

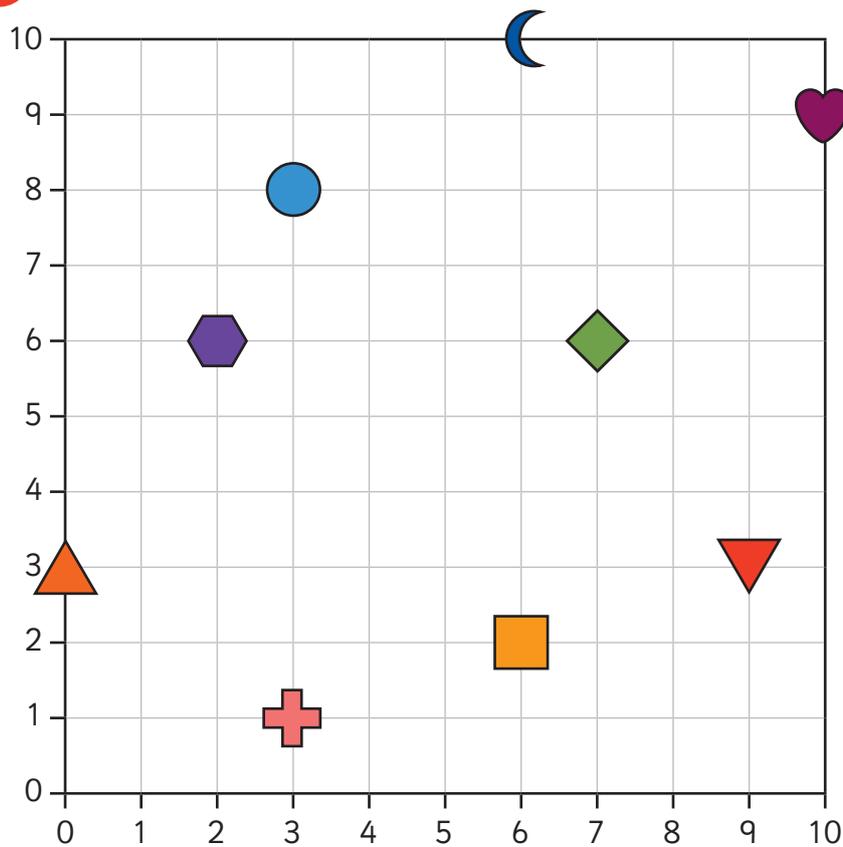


- b) Translate the **yellow** triangle **4 right, 1 up**.  
**Draw the new shape on the grid.**  
 Write the **new coordinates** of the vertices:

.....

# Translations

## Answers



**Task 1 – Describe the translations** between the following shapes. The first one has been done for you.

- a)  to  = 2 right, 3 down
- b)  to  = 3 left, 1 down
- c)  to  = 1 right, 4 down
- d)  to  = 3 left, 1 down
- e)  to  = 1 left, 2 down
- f)  to  = 4 left, 1 up
- g)  to  = 7 right, 1 up
- h)  to  = 3 left, 2 up

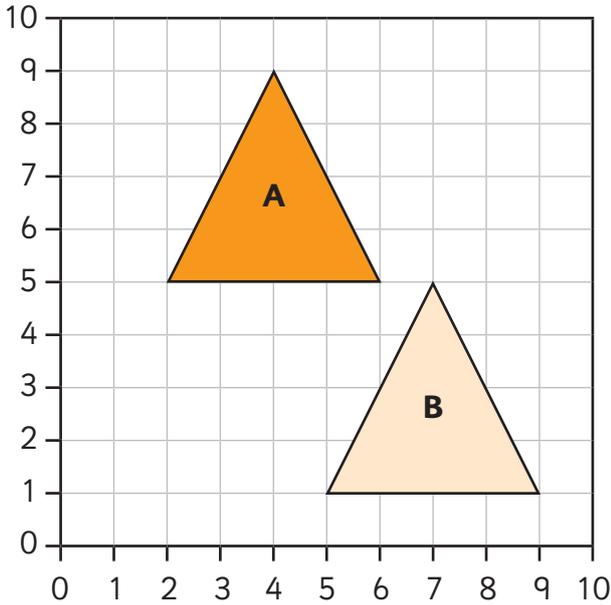


# Translations

## Answers

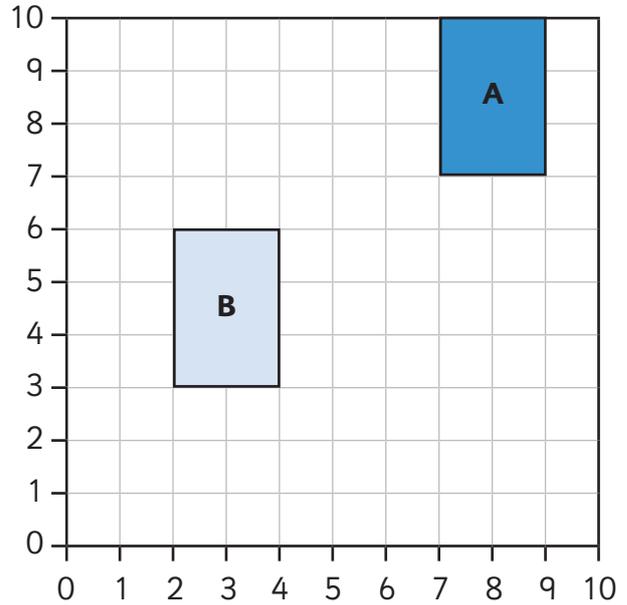
**Task 2** – These shapes have been moved from A to B. Can you describe the translation?

**Focus on one vertex of shape A and follow it to the same vertex of shape B.**



Translation =

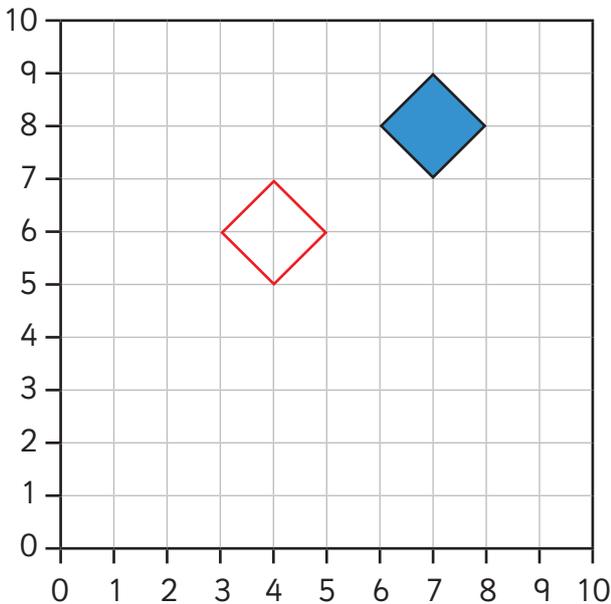
..... 3 right, 4 down .....



Translation =

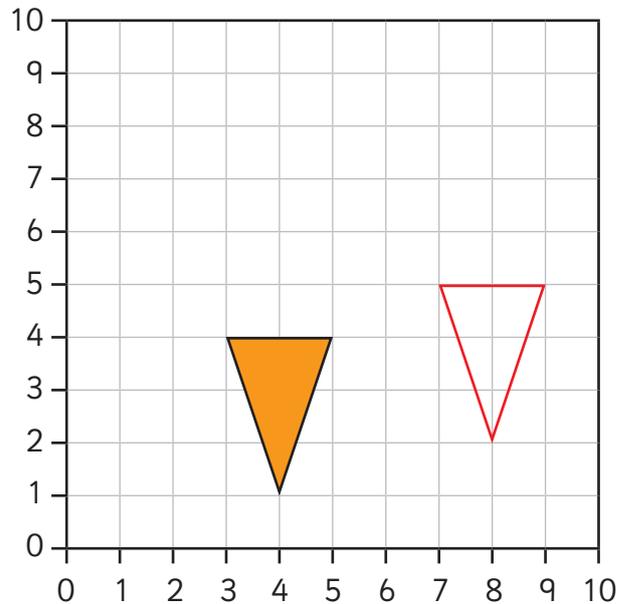
..... 5 left, 4 down .....

**Task 3** – Follow the instructions to translate these shapes: **Hint: Translate one vertex at a time.**



a) Translate the blue square **3 left, 2 down**.  
**Draw the new shape on the grid.**  
Write the **new coordinates** of the vertices:

..... (3,6), (4,5), (5,6), (4,7) .....



b) Translate the **yellow** triangle **4 right, 1 up**.  
**Draw the new shape on the grid.**  
Write the **new coordinates** of the vertices:

..... (8,2), (9,5), (7,5) .....