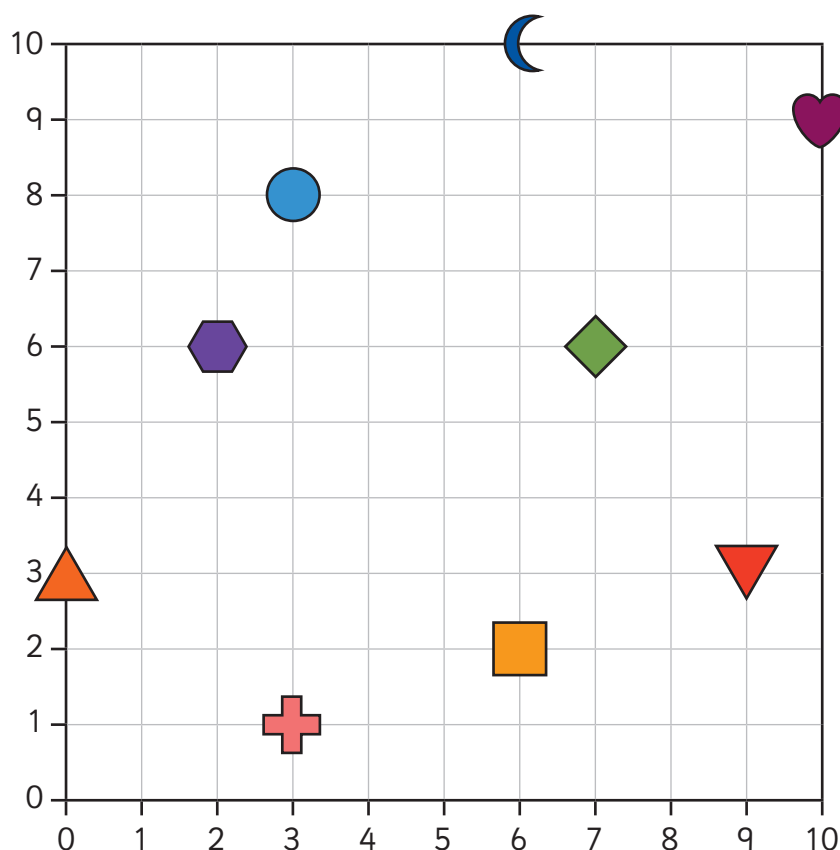


















Translations



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

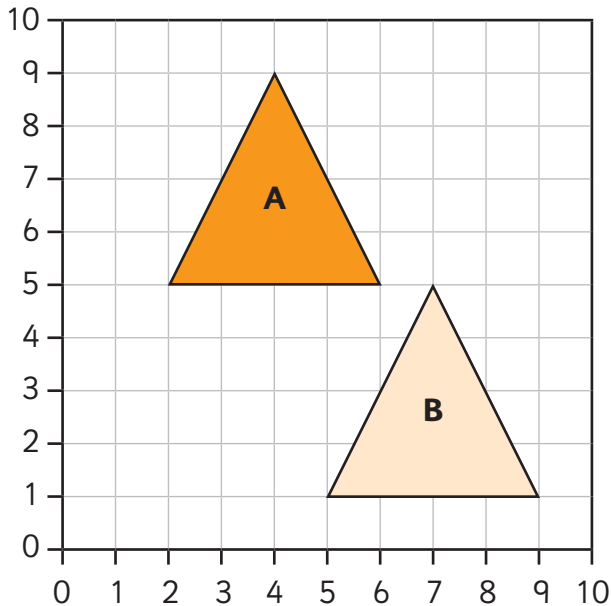
- a)  to  = right / left, up / down
- b)  to  = right / left, up / down
- c)  to  = right / left, up / down
- d)  to  = right / left, up / down
- e)  to  = right / left, up / down
- f)  to  = right / left, up / down
- g)  to  = right / left, up / down
- h)  to  = right / left, up / down



Translations

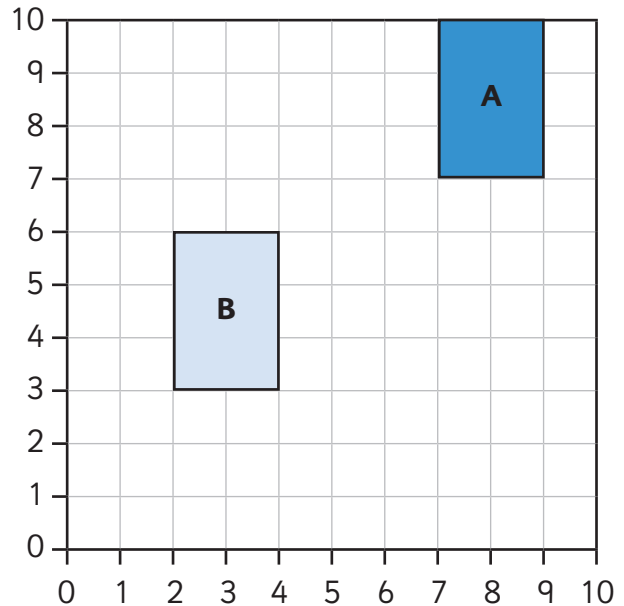
Task 2 – These shapes have been moved from A to B. Can you describe the translation?

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



Translation =

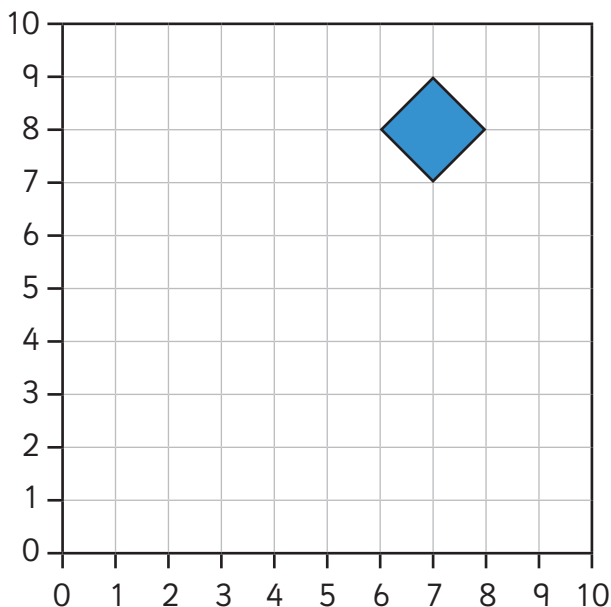
.....



Translation =

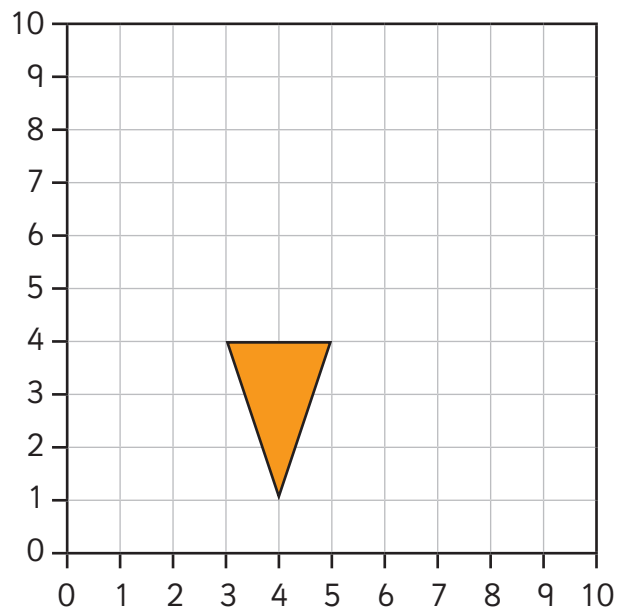
.....

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:

.....

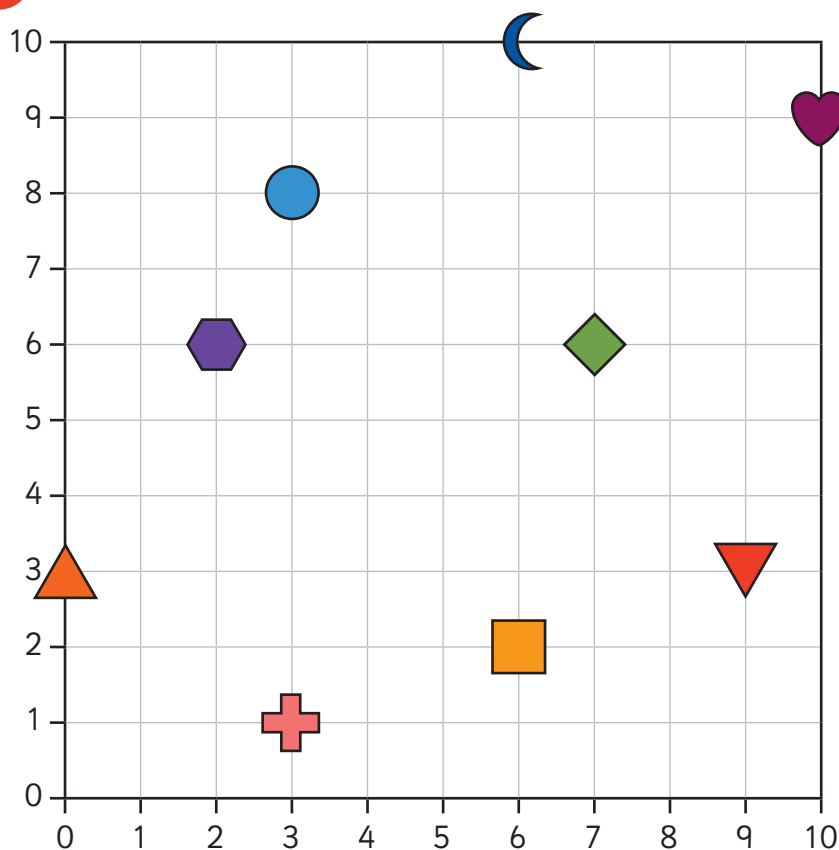


- b) Translate the **yellow** triangle **4 right, 1 up**.
Draw the new shape on the grid.
 Write the **new coordinates** of the vertices:

















.....

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

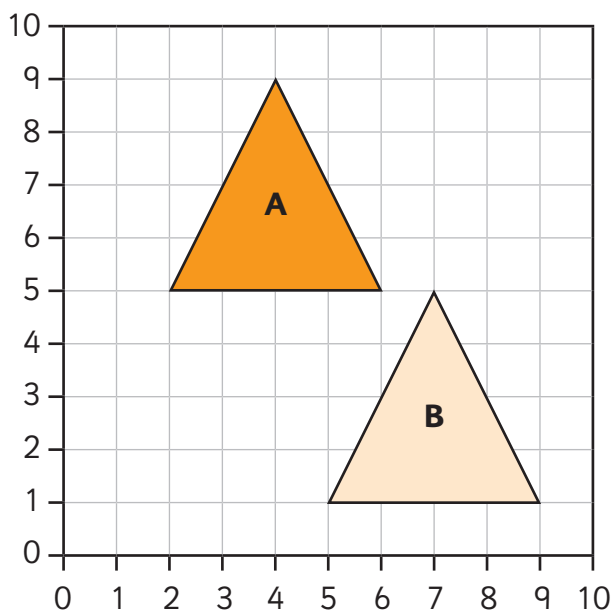


Translations

Answers

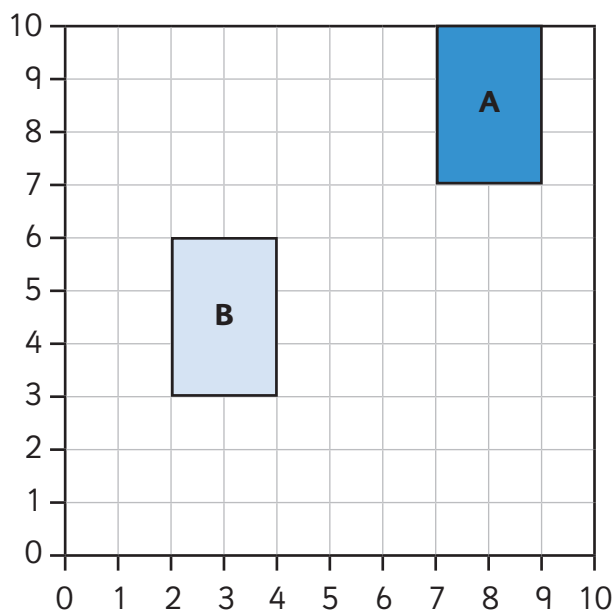
Task 2 – These shapes have been moved from A to B. Can you describe the translation?

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



Translation =

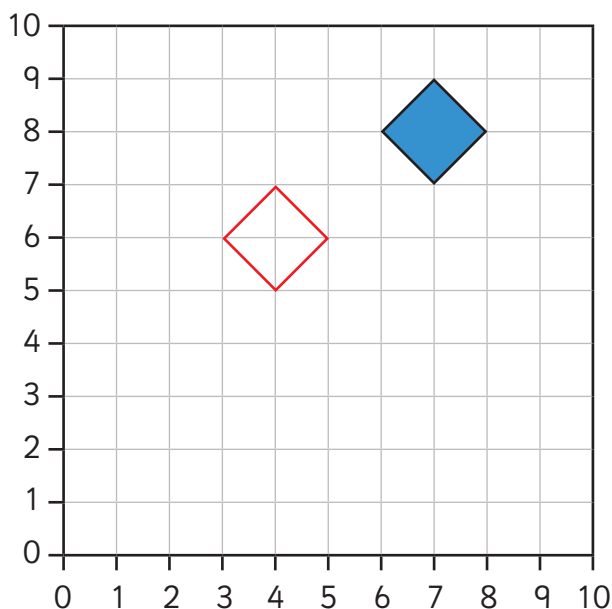
.....3 right, 4 down.....



Translation =

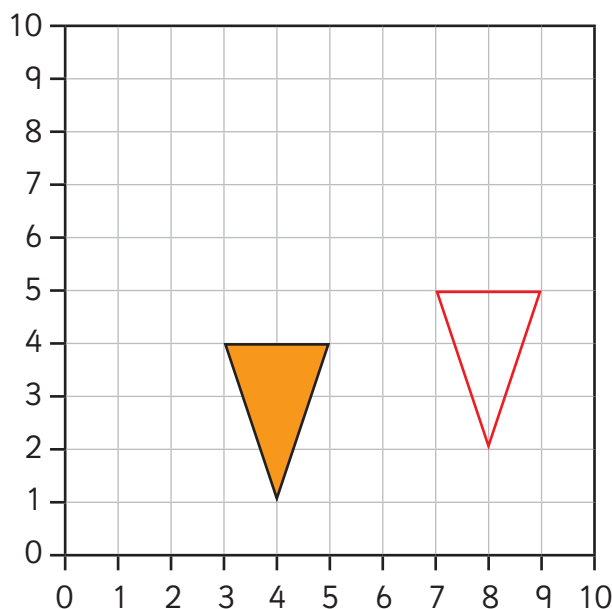
.....5 left, 4 down.....

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).....