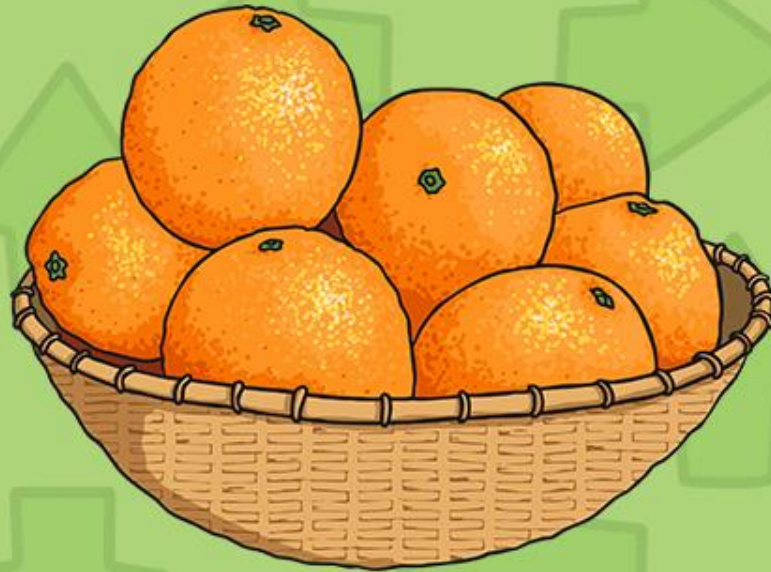




Maths

Position and Direction

Drawing Translated Shapes



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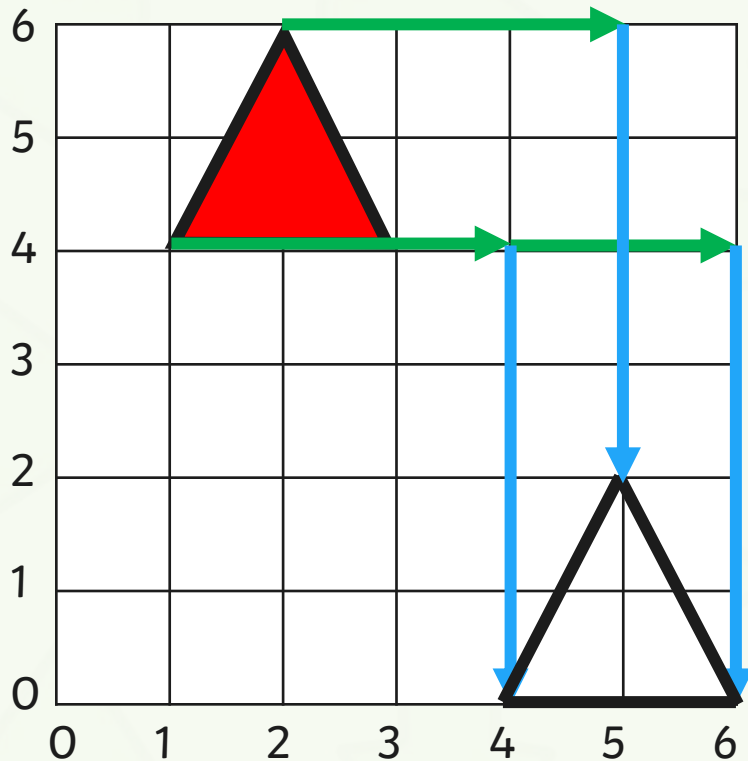
Aim

- I can draw the position of a shape following a translation.

Success Criteria

- I can read, write and plot coordinates in the first quadrant.
- I know that translation is a movement from one position to another without rotation or resizing.

Drawing a Translated Shape

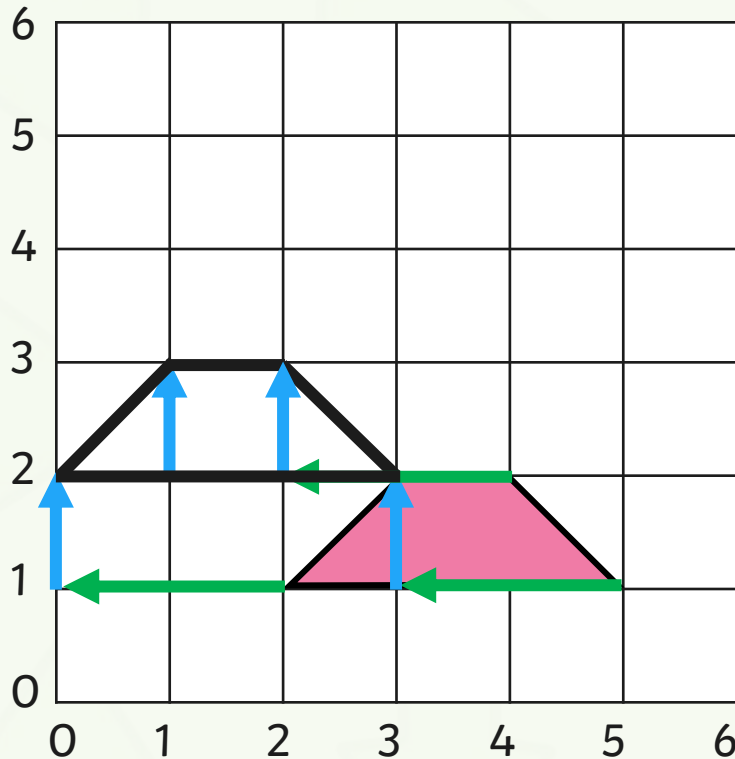


When asked to draw a 2D shape in the new position after a translation, we have to make sure that **each corner** of the shape is moved the **same direction** and the **same number**.

The **triangle** is translated

Right 3
Down 4

Drawing a Translated Shape

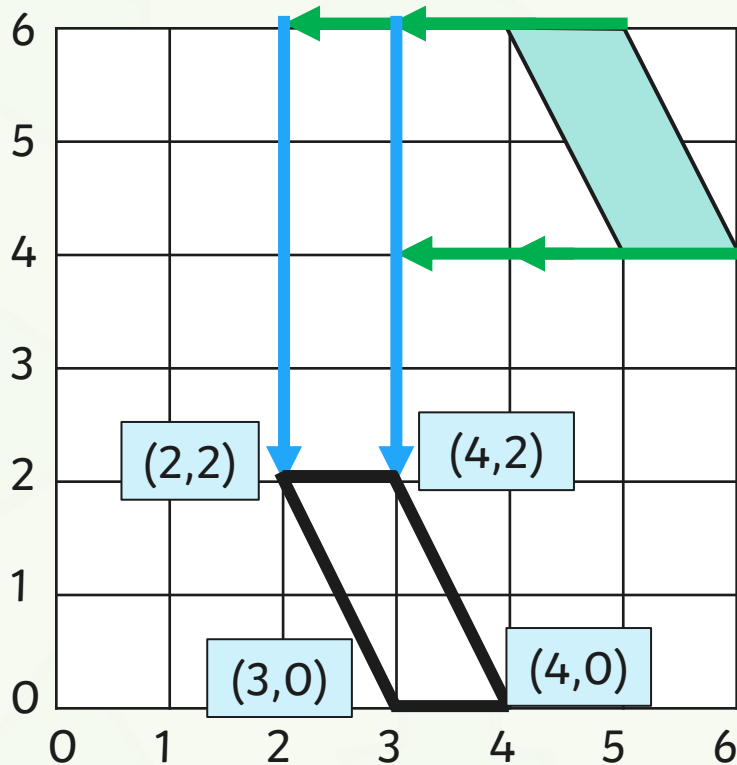


When asked to draw a 2D shape in the new position after a translation, we have to make sure that **each corner** of the shape is moved the **same direction** and the **same number**.

The **trapezium** is translated

Left 2
Up 1

Drawing a Translated Shape

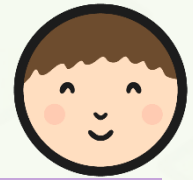


When asked to draw a 2D shape in the new position after a translation, we have to make sure that **each corner** of the shape is moved the **same direction** and the **same number**.

The **Parallelogram** is translated

Left 2
Down 4

Choose the right challenge level



Drawing Translated Shapes

Draw the 2D shapes in their new positions after a translation along both axes.

<p>This equilateral triangle is translated left 3, up 3. Draw the triangle in its new position.</p>	<p>This right-angled triangle is translated right 3, down 2. Draw the triangle.</p>	<p>This rectangle is translated left 4, down 1. Draw the rectangle in its new position.</p>
<p>This trapezium is translated right 2, up 2. Draw the trapezium in its new position.</p>	<p>This hexagon is translated left 3, down 4. Draw the hexagon in its new position.</p>	

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Drawing Translated Shapes

Draw the 2D shapes in their new positions after a translation along both axes.

<p>This equilateral triangle is translated left 5, up 5. Draw the triangle in its new position.</p>	<p>This right-angled triangle is translated right 6, down 3. Draw the triangle in its new position.</p>	<p>This rectangle is translated left 5, down 2. Draw the rectangle in its new position.</p>
<p>This trapezium is translated right 2, up 7. Draw the trapezium in its new position.</p>	<p>This parallelogram is translated left 3, down 5. Draw the parallelogram in its new position.</p>	<p>This pentagon is translated right 6, down 2. Draw the pentagon in its new position.</p>
<p>This hexagon is translated left 5, down 3. Draw the pentagon in its new position.</p>	<p>This hexagon is translated right 3, down 6. Draw the hexagon in its new position.</p>	<p>This octagon is translated right 4, down 5. Draw the octagon in its new position.</p>

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Maths | Year 5 | Position and Direction | Reflections and Translations | Lesson 2 of 4: Drawing Translated Shapes

Translated Shapes

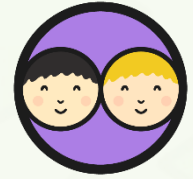
Draw the 2D shapes in their new positions after a translation along one axis.

<p>This right-angled triangle is translated left 4. Draw the triangle in its new position.</p>	<p>This rectangle is translated left 4. Draw the rectangle in its new position.</p>
<p>This pentagon is translated right 3. Draw the pentagon in its new position.</p>	<p>This octagon is translated left 3. Draw the octagon in its new position.</p>

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Maths | Year 5 | Position and Direction | Reflections and Translations | Lesson 2 of 4: Drawing Translated Shapes

Translation Treasure Hunt








How to play:

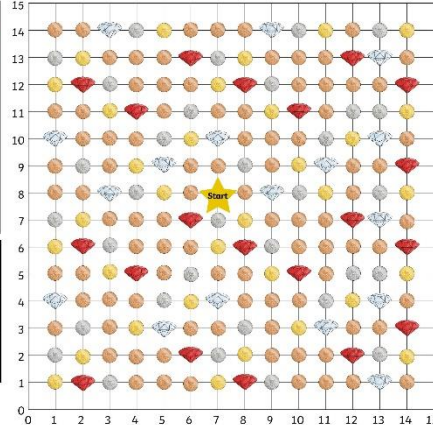
- Take it in turns to roll two dice to make a translation.
- From the start position, slide your finger right or left, up or down according to your translation numbers.
- Win the treasure at that position.
- The winner is the player who collects the most treasure.
- If you roll a translation number which isn't possible from your current position, miss a go!

Translations Treasure Hunt Game

How to Play:

- Take it in turns to roll two dice to make a translation.
- From the start position, slide your finger right or left, up or down according to your translation numbers.
- Win the treasure at that position.
- The winner is the player who collects the most treasure.
- If you roll a translation which isn't possible from your current position, miss a go!

	= 1 point		= 7 points
	= 3 points		= 10 points
	= 5 points		



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Maths Year 51 Position and Direction (Reflections and Translations) Lesson 2 of 6 Drawing Translated Shapes

Aim



- I can draw the position of a shape following a translation.

Success Criteria

- I can read, write and plot coordinates in the first quadrant.
- I know that translation is a movement from one position to another without rotation or resizing.

