

10 more?

Draw it.

Partition it.

these could be the which one of

odd one out and

- 10 less?
- 100 more?
- 100 less?

Write 2 equations to get this as the answer.

Times Table Bingo - 4 and 9 times table. Put multiples in the bingo grid, say a question in the times table, mark off if they have it.

Mirror

Line





2 away from time, counting reflecting a the mirror line the distance shape over a from the horizontal mirror line and mirror line. repeating this The x distance across coordinate is the mirror line, the same but 2 awa from plot the points the y the mirror line as you go to coordinate show the changes. 0 1 2 3 4 5 6 7 8 9 10 reflected shape 012345678910



When reflecting a shape over a vertical mirror line. The y coordinate is the same but the x coordinate changes.



Match the coordinates to the point on the grid.



Match the coordinates to the point on the grid.



3 с D -5 -4 -3 -2 -1 2 3 4 -1 E G н

Write the coordinates of both shapes.

Write the coordinates of both shapes.

20 10 Е С -20 10 20 D -10 -20 н Look carefully at the intervals on the axes. What is each interval worth?





## **Reflection**

True or false? If this shape is reflected in the y axis, the new coordinates will be



Reflect the shape in the x axis and complete the coordinates of the new shape.



Reflect both shapes in the y axis and draw the new shape.

Reflect the shapes in the y axis then reflect both shapes in the x axis



Shapes A and B are reflected in the y axis. Are the reflections correct?



## <u>Challenge</u>

a) If you reflect a square in a vertical line, which coordinates will change and which will stay the same? Why?

- b) Which coordinates will change if you reflect a square in a horizontal line?
- c) Investigate if this is the same for other shapes.