

# Parent Guide

## How can I use this with my children?

Look at the shapes on each grid. Discuss with your child what they have to do. If you have a small mirror which your child can use safely, allow them to use it to see the shapes once they have been reflected in the mirror line to help them draw the reflected shapes. Discuss with your child where the new coordinates would be of the reflected angle.

## How does this help my children's learning?

This activity can help your child to practise reflecting shapes over a mirror line and identifying the new coordinates of corners once they have been reflected.

## Ideas for further learning:

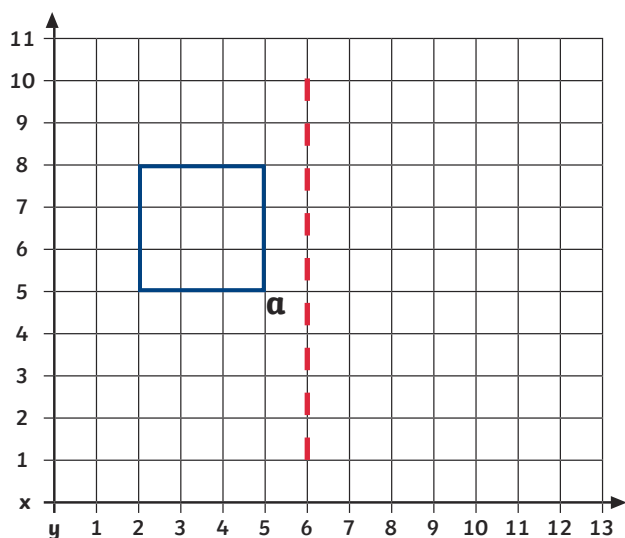
Ask your child to create their own quadrants using squared paper or these **blank quadrants worksheets**. Ask them to draw reflected shapes over a mirror line and write the coordinates for each corner on the reflected shape.



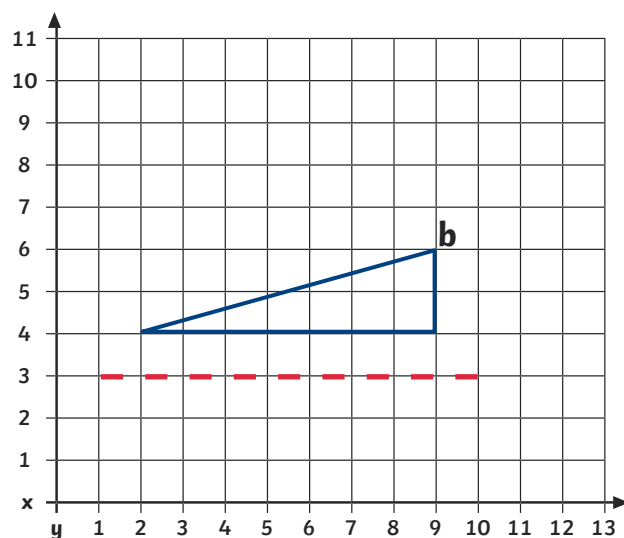
# Coordinates: Reflecting Shapes in the First Quadrant

Draw the new shapes once it has been reflected over the mirror line on each grid below. Write the new coordinates of the highlighted corner on each shape.

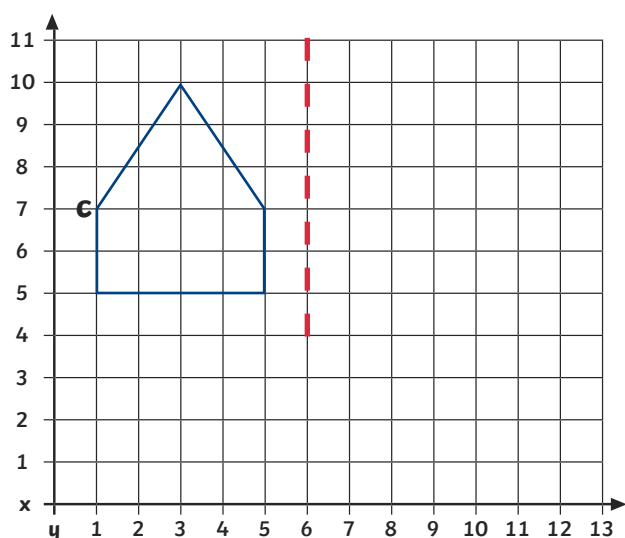
1) New coordinates of corner a = \_\_\_\_\_



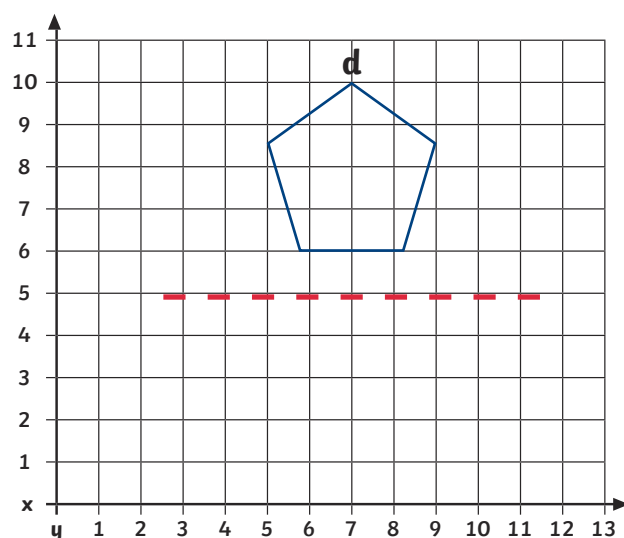
2) New coordinates of corner b = \_\_\_\_\_



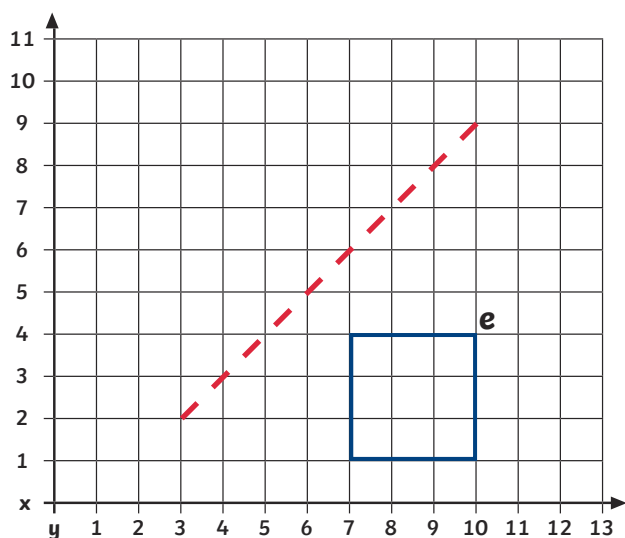
3) New coordinates of corner c = \_\_\_\_\_



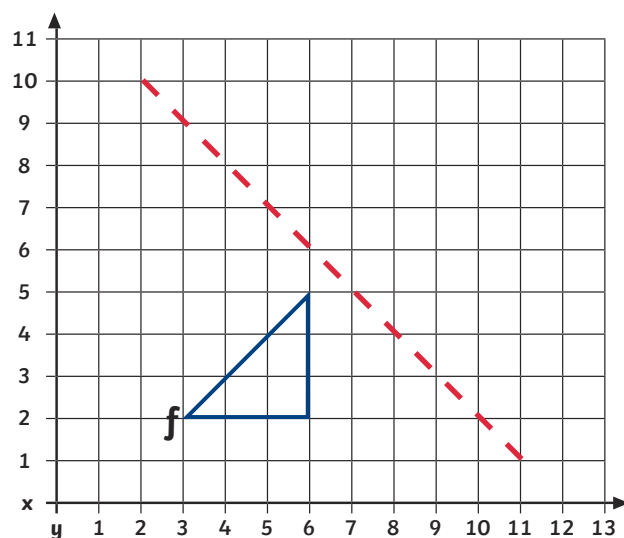
4) New coordinates of corner d = \_\_\_\_\_



5) New coordinates of corner e = \_\_\_\_\_

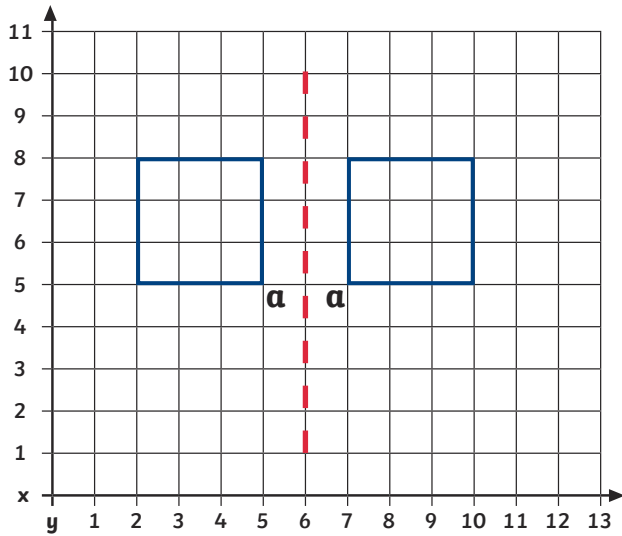


6) New coordinates of corner f = \_\_\_\_\_

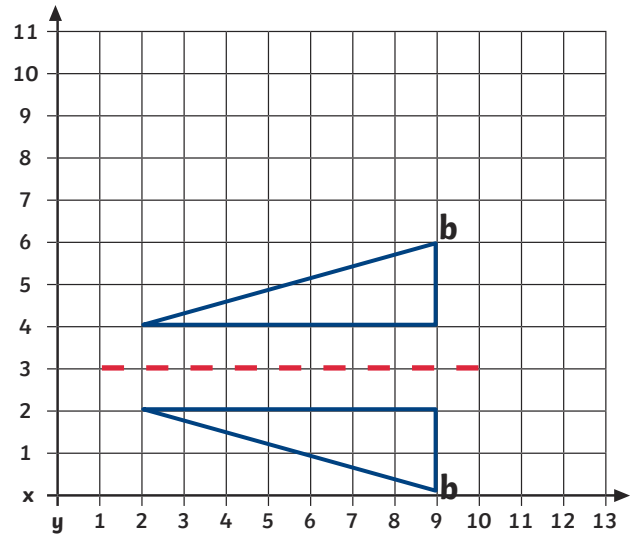


# Coordinates: Reflecting Shapes in the First Quadrant - Answers

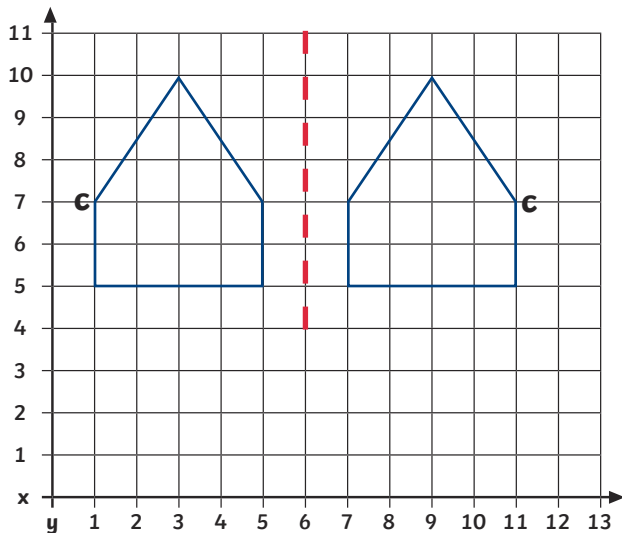
1) New coordinates of corner a = (7,5)



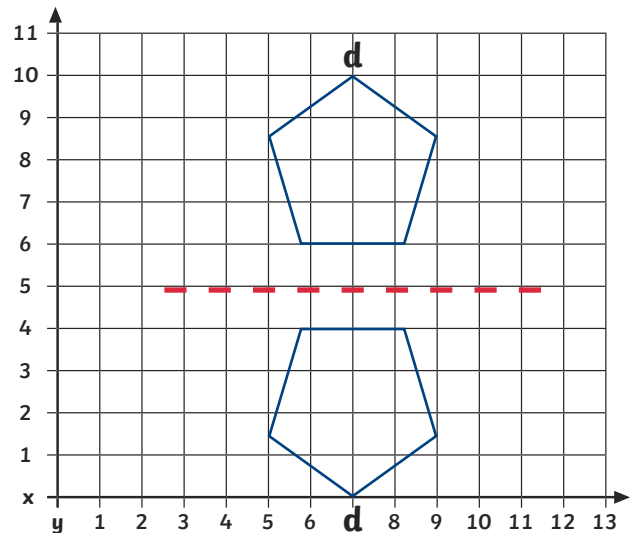
2) New coordinates of corner b = (9,0)



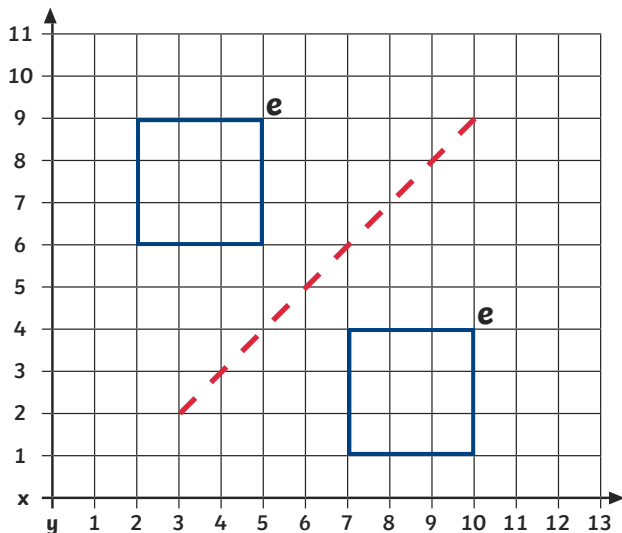
3) New coordinates of corner c = (11,7)



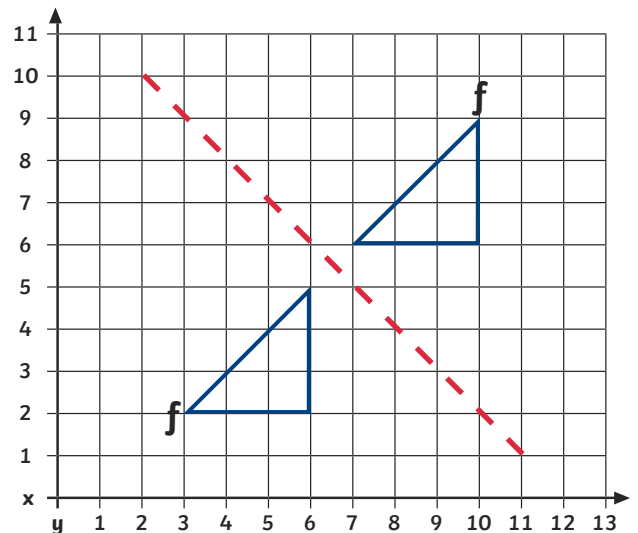
4) New coordinates of corner d = (7,0)



5) New coordinates of corner e = (5,9)



6) New coordinates of corner f = (10,9)

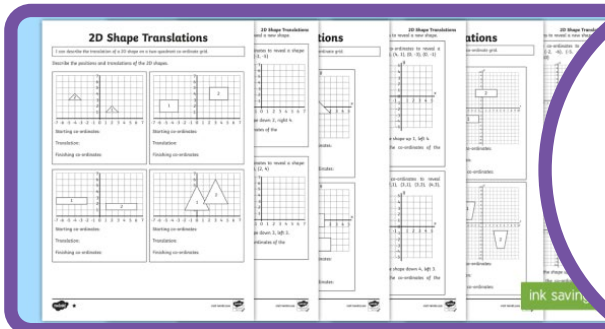


If you enjoyed this resource, why not try...

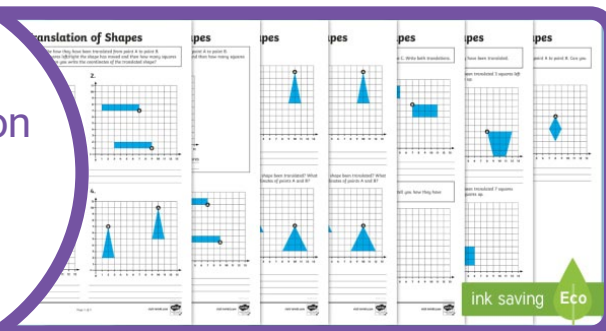
Drawing  
Reflected Shapes  
in 4 Quadrants



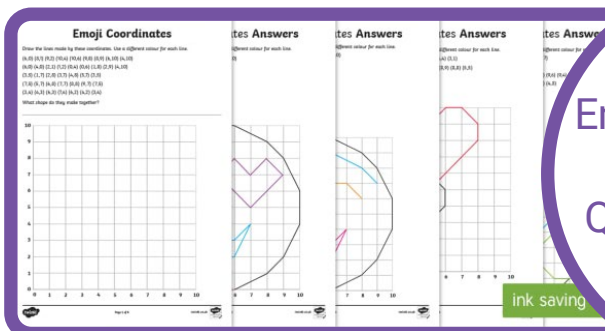
Four Quadrant  
2D Shape  
Translations  
Differentiated  
Worksheets



KS2 Translation  
of Shapes  
Worksheets



Emoji Coordinates  
in the First  
Quadrant Activity  
Pack



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