



Mirror and Complete

MathApex

Name: _____

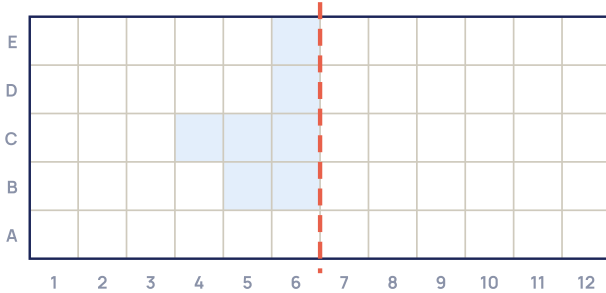
Date: _____



Watch video

From the video5 squares on the left, mirrored 5 on the right → $5 + 5 = 10$ squares**1 Now it's your turn!**

To the left of the line, 7 squares are colored. How many squares does the whole shape have?

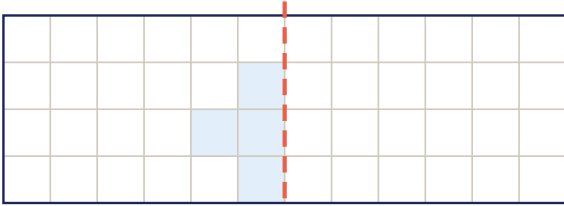


Shade the right half so that the shape becomes symmetrical. Then count all the squares.

+ = squares

3 Mirror the shape.

Shade the mirrored half. How many squares does the whole shape have?



+ = squares

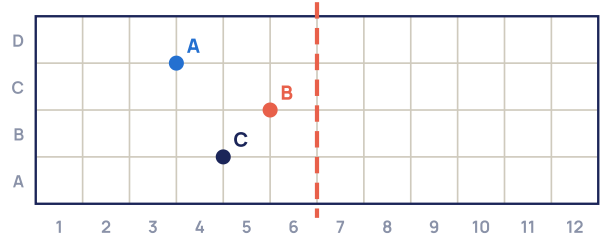
5 Think backwards.

A point and its mirror point are 8 squares apart. How far is the point from the line?

$8 \div 2 =$ squares

2 Mirror the points.

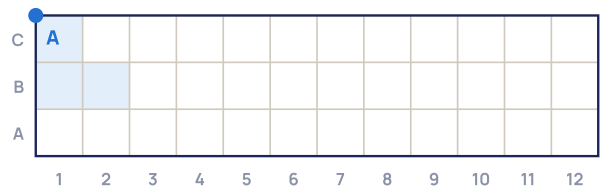
Draw the mirror points of A, B and C. How far is each point from its mirror point?



A: sq. B: sq. C: sq.

4 Slide the shape.

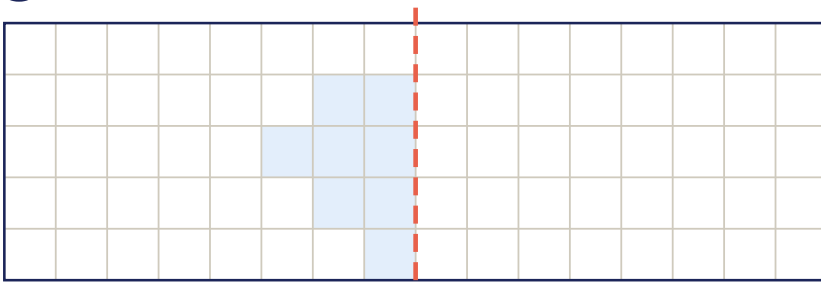
Slide the triangle 6 squares to the right. Which column is corner A in then?



$1 + 6 =$ column

★ Brain teaser

A point is 3 squares left of the line. It is slid 2 squares to the left and then mirrored. How far is the mirror point from the line?

6 Mirror the shape in the line.

Every square gets a twin on the right, the same distance from the line.



Mirror and Complete

**1** Now it's your turn!

$$7 + 7 = 14 \text{ squares}$$

2 Mirror the points.

A: $3 + 3 = 6$ squares

B: $1 + 1 = 2$ squares

C: $2 + 2 = 4$ squares

3 Mirror the shape.

$$4 + 4 = 8 \text{ squares}$$

4 Slide the shape.

$$1 + 6 = \text{column 7}$$

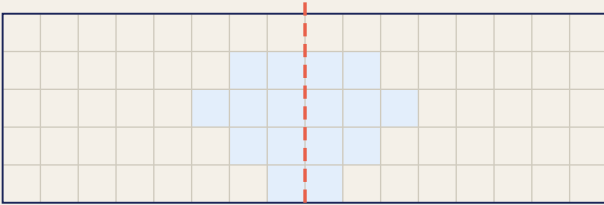
5 Think backwards.

$$8 \div 2 = 4 \text{ squares}$$

★ Brain teaser

$$3 + 2 = 5 \text{ squares}$$

Mirroring does not change the distance from the line.

6 Mirroring.

$$8 + 8 = 16 \text{ squares}$$

For parents and teachers: This worksheet goes with the video "Mirror and Complete" (Math Story 87, Grade 4). Mirroring in a line and sliding on the grid. Mirror points are the same distance from the line; sliding means counting squares.

More Math Stories with video and worksheet: www.mathapex.app/en/math-stories/