# Mirror and Complete

MathApex

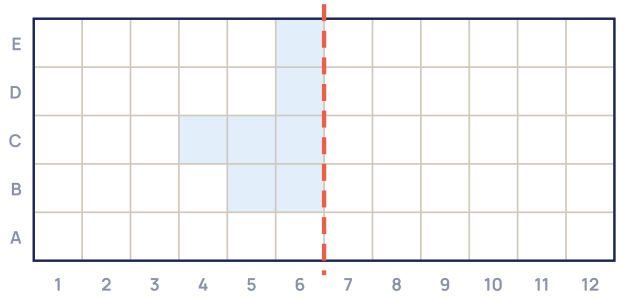
Name: _____ Date: _____

Watch video

**From the video** 5 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?

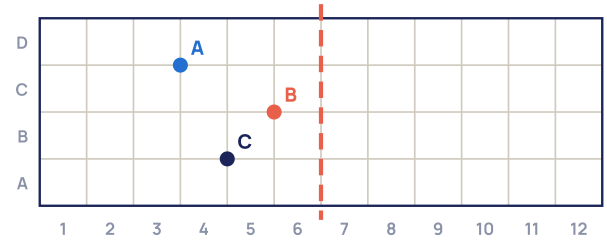



Shade the right half so that the shape becomes symmetrical. Then count all the squares.

☐ + ☐ = ☐ squares

## 2 Mirror the points.

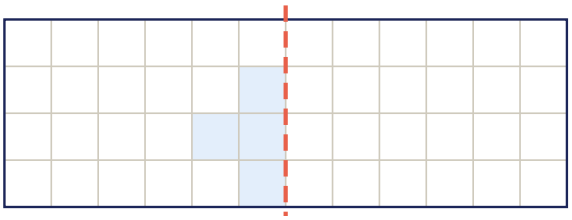
Draw the mirror points of A, B and C. How far is each point from its mirror point?




A: ☐ sq. B: ☐ sq. C: ☐ sq.

## 3 Mirror the shape.

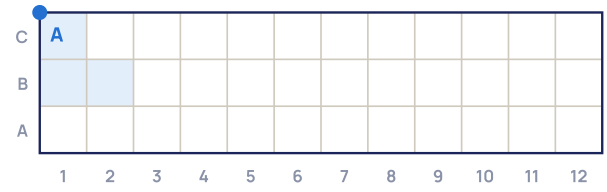
Shade the mirrored half. How many squares does the whole shape have?



☐ + ☐ = ☐ squares

## 4 Slide the shape.

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




1 + 6 = ☐ column

## 5 Think backwards.

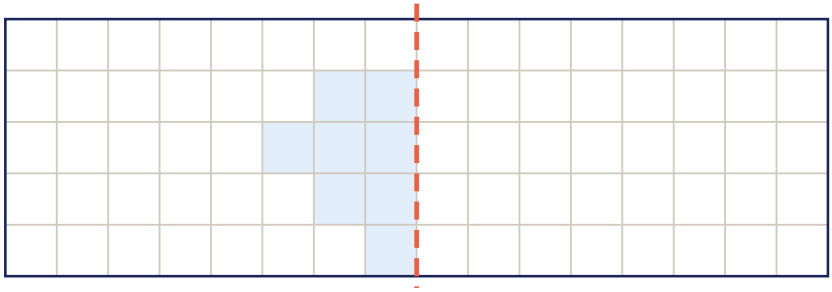
A point and its mirror point are 8 squares apart. How far is the point from the line?

8 ÷ 2 = ☐ squares

## 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.

MathApex

MATH STORY 87 · ANSWERS

# Mirror and Complete

Watch video

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

7 + 7 = 14 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 squares

**4** **Slide the shape.**

1 + 6 = column 7

**5** **Think backwards.**

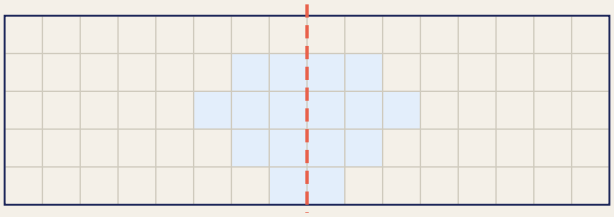
8 ÷ 2 = 4 squares

★ **Brain teaser**

3 + 2 = 5 squares

Mirroring does not change the distance from the line.

**6** **Mirroring.**



8 + 8 = 16 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/**