The Mirror Point

MathApex

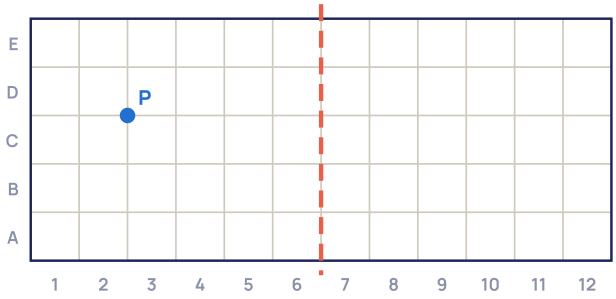
Name: _____ Date: _____

Watch video

From the video P is 3 squares left of the line, P′ is 3 squares right → **3 + 3 = 6 squares**

1 Now it's your turn!

How many squares is the point from its mirror point?

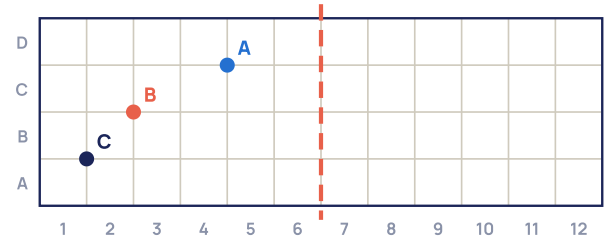


Draw the mirror point P′. It is exactly as far from the line as P.

☐ + ☐ = ☐ squares

2 Mirror the points.

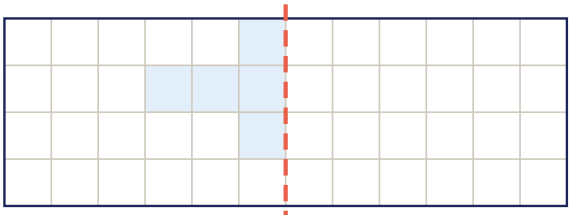
Draw the mirror points of A, B and C. How far is each point from its mirror point?



A: ☐ sq. B: ☐ sq. C: ☐ sq.

3 Mirror the shape.

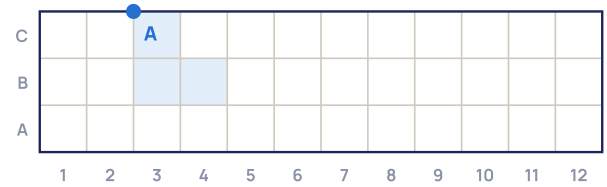
Shade the mirrored half. How many squares does the whole shape have?



☐ + ☐ = ☐ squares

4 Slide the shape.

Slide the triangle 4 squares to the right. Which column is corner A in then?



3 + 4 = ☐ column

5 Think backwards.

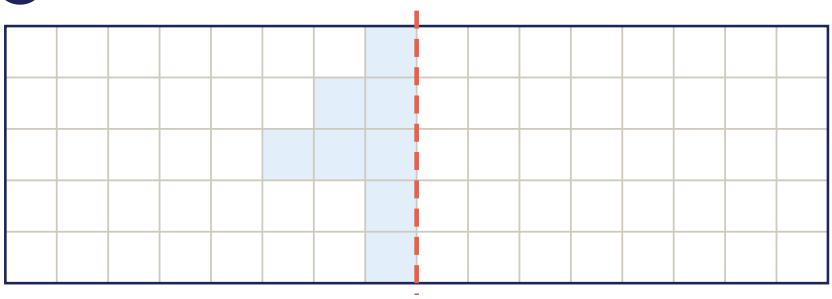
A point and its mirror point are 10 squares apart. How far is the point from the line?

10 ÷ 2 = ☐ squares

Brain teaser

A point is 1 square left of the line. It is slid 4 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 51 · ANSWERS

The Mirror Point

Watch video

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

4 + 4 = 8 squares

2 **Mirror the points.**

A: 2 + 2 = 4 squares
B: 4 + 4 = 8 squares
C: 5 + 5 = 10 squares

3 **Mirror the shape.**

5 + 5 = 10 squares

4 **Slide the shape.**

3 + 4 = column 7

5 **Think backwards.**

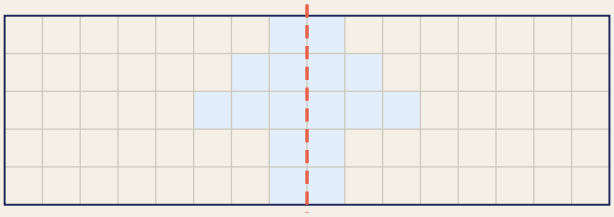
10 ÷ 2 = 5 squares

★ **Brain teaser**

1 + 4 = 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 "The Mirror Point" (Math Story 51, 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/**