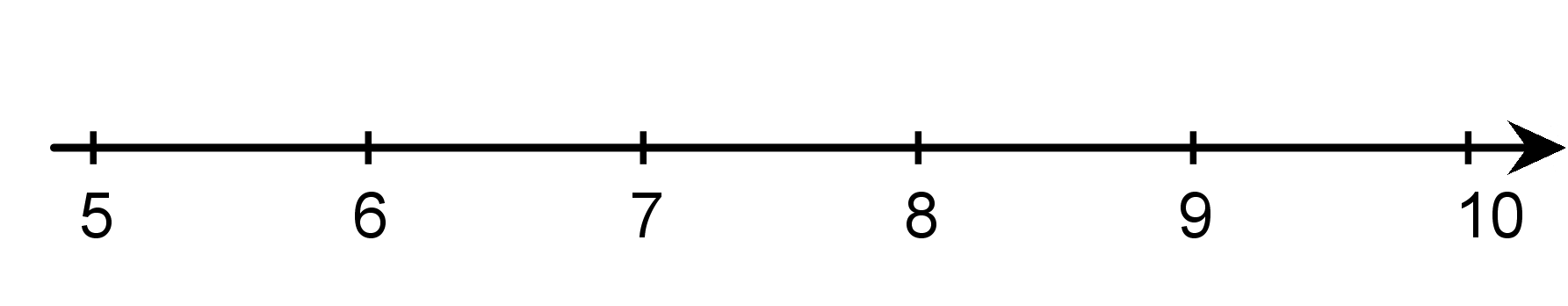
## Unit 8 Lesson 5 Cumulative Practice Problems

* 1. Explain how you know that is a little more than 6.
  2. Explain how you know that is a little less than 10.
  3. Explain how you know that is between 5 and 6.

1. Plot each number on the number line:

* 

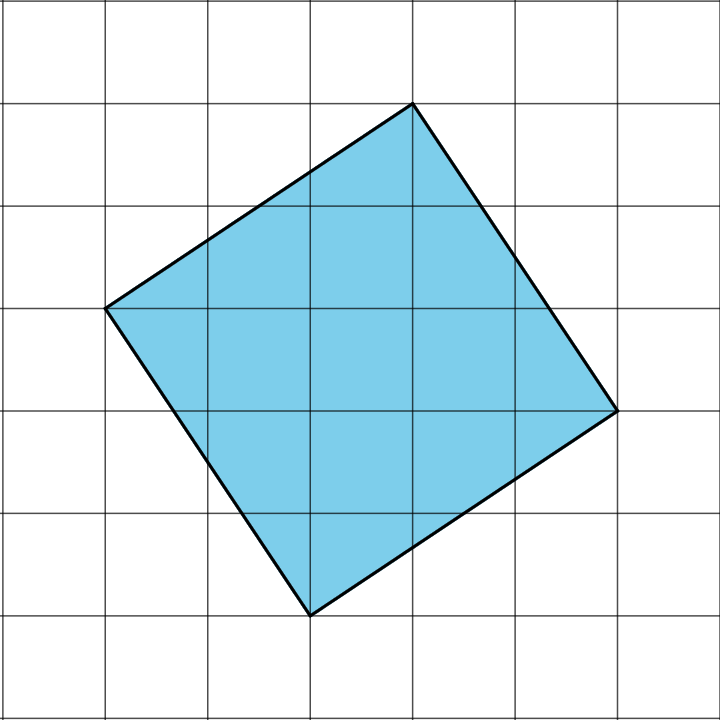
1. The equation has *two* solutions. This is because both , and also . So, 5 is a solution, and also -5 is a solution.

* Select **all** the equations that have a solution of -4:

1. Find all the solutions to each equation.
2. Select all the irrational numbers in the list.

* (From Unit 8, Lesson 3.)

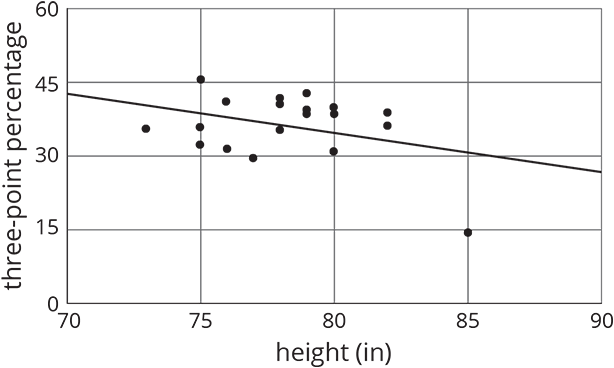
1. Each grid square represents 1 square unit. What is the exact side length of the shaded square?

* 
* (From Unit 8, Lesson 2.)

1. For each pair of numbers, which of the two numbers is larger? Estimate how many times larger.
   1. and
   2. and
   3. and

* (From Unit 7, Lesson 10.)

1. The scatter plot shows the heights (in inches) and three-point percentages for different basketball players last season.

* 
  1. Circle any data points that appear to be outliers.
  2. Compare any outliers to the values predicted by the model.
* (From Unit 6, Lesson 4.)



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