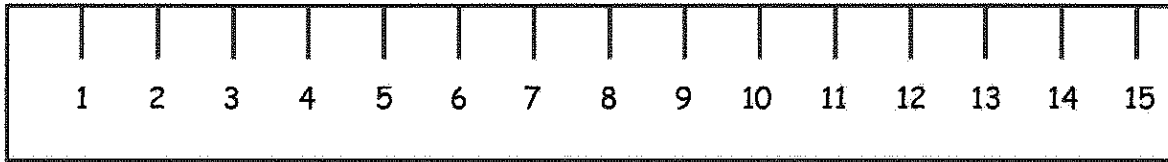


G2-M2-Lesson 8

1.

A _____

B _____



Line A is 8 cm. $14 - 6 = 8$

Line B is 9 cm. $11 - 2 = 9$

Lines A and B are 17 cm. $8 + 9 = 17$

Line A is 1 cm (longer shorter than Line B).

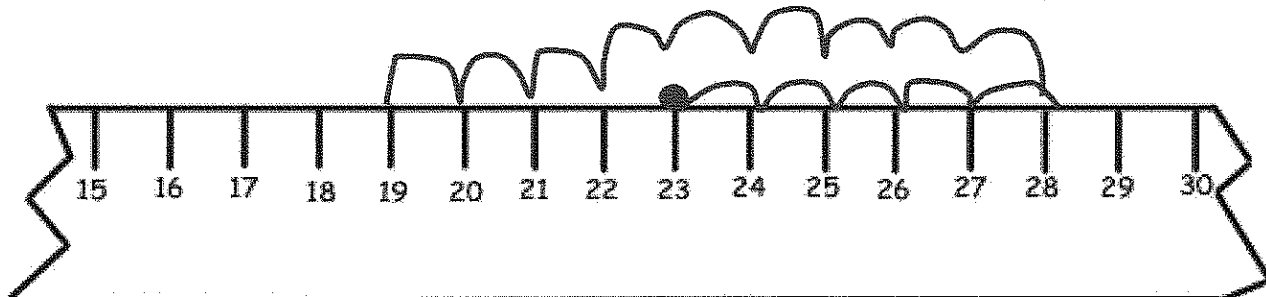
Since Line B starts at 2 cm, I can take away 2 cm from where the line ends at 11 cm. So, the line is 9 cm.

2. A cricket jumped 5 centimeters forward and 9 centimeters back and then stopped. If the cricket started at 23 on the ruler, where did the cricket stop? Show your work on the broken centimeter ruler.

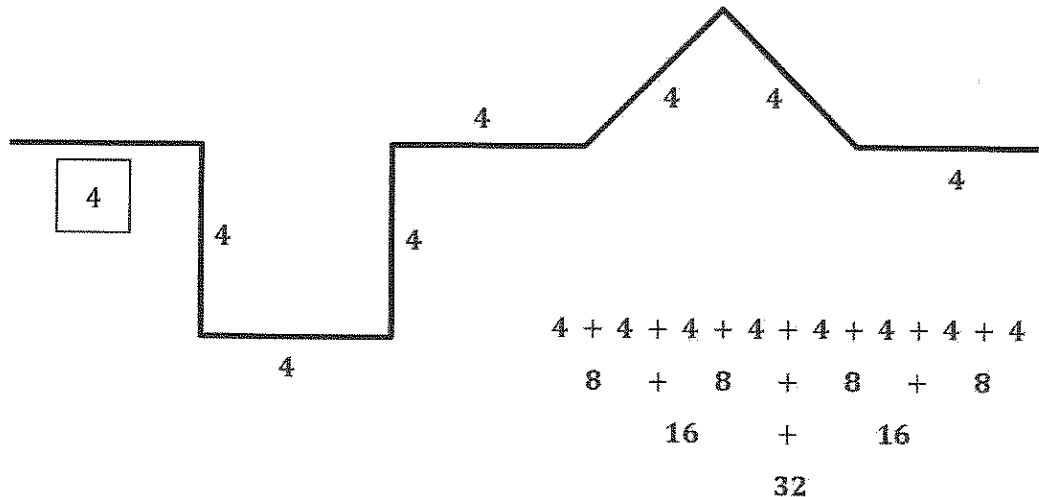
$$23 + 5 = 28$$

$$28 - 9 = 18 + 1 = 19$$

I can use addition and subtraction to solve. I can start at 23 and count on 5. Then, I can hop back 9 centimeters or subtract 9. The cricket stops at 19 cm.



3. All of the parts of the path below are equal length units. Fill in the lengths of each side.



The path is 32 length units long.

How many more parts would you need to add for the path to be 40 length units long? 2 parts

I know that the path is 32 length units. I can think $32 + \underline{\quad} = 40$. The unknown is 8 length units. But the question asks for the number of parts. I know that each part is 4 length units. So, 2 more parts, $4 + 4$, equals 8.