

Warm Up

Simplify each expression.

1.) 11^2

2.) $\sqrt{5^2 + 12^2}$

3.) $|-5 - (-8)|$

Evaluate the expression when $a = 4$ and $b = -2$.

4.) $\frac{a - 7}{3 - b}$

1-3: Measuring Segments

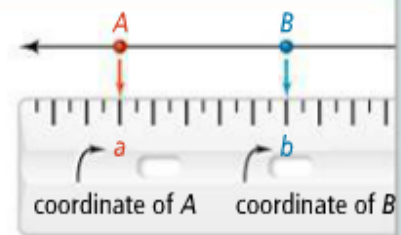
Obj - SWBAT find and compare lengths of segments.

Vocabulary

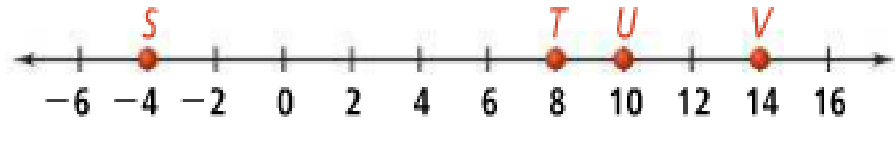
take note

Postulate 1-5 Ruler Postulate

Every point on a line can be paired with a real number. This makes a one-to-one correspondence between the points on the line and the real numbers. The real number that corresponds to a point is called the **coordinate** of the point.



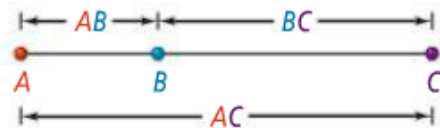
Ex. 1: Use the number line to find TV, SV and UV.



Take note

Postulate 1-6 Segment Addition Postulate

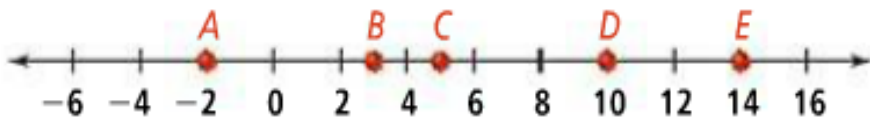
If three points A , B , and C are collinear and B is between A and C , then $AB + BC = AC$.



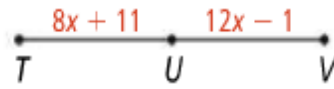
Ex. 2: In the diagram, $JL = 120$. What are JK and KL ?



Ex. 3: Use the diagram below. Is \overline{AB} congruent to \overline{DE} ? Why or why not?



Ex. 4: U is the midpoint of \overline{TV} . What are TU, UV, and TV?



homework

pg. 24-25 #8-14, 15-21
odd, 24, 25, 37, 38