


1.2 - Linear Measure

Measure of Line Segments

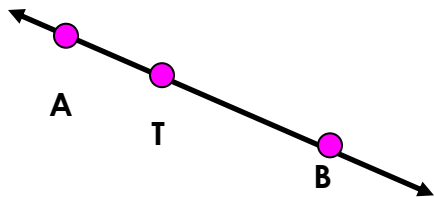
• A line continues in both directions, but a **line segment** has 2 endpoints.

• Symbols: \overline{AB} → objects 

• Symbols for length or measure of a line segment:

$$AB \rightarrow \#$$

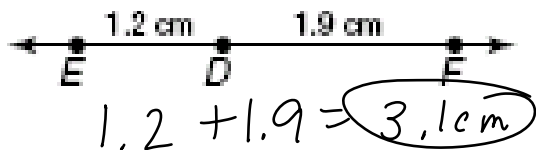
Betweenness of points



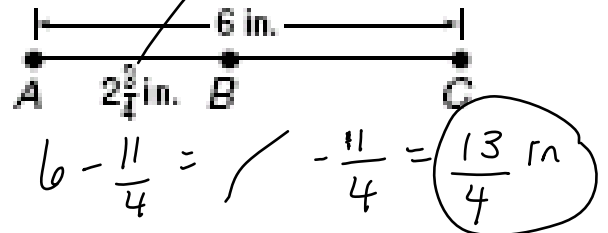
$$\text{part} + \text{part} = \text{whole}$$

Find Measurements.

5. Find EF



6. Find BC $\frac{11}{4}$

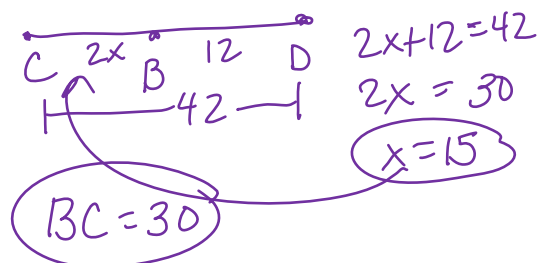


6. Find the value of x and ST if T is between S and U, $ST=7x$, $SU=45$, and $TU=5x-3$.

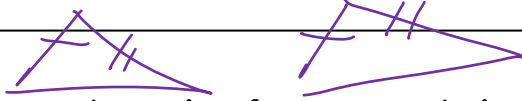
$ST=28$

$7x + 5x - 3 = 45$
 $12x - 3 = 45$
 $12x = 48$
 $x = 4$

7. Find the value of x and BC if B is between C and D. $CB=2x$, $CD=42$, and $BD=12$.

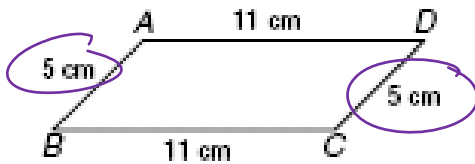


Congruent (\cong) *equal measure*



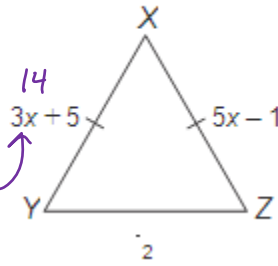
Determine whether each pair of segments is congruent.

7. \overline{AB} and \overline{CD}



yes

8. \overline{XY} , \overline{YZ}



No!
 \neq

$$3x + 5 = 5x - 1$$

$$6 = 2x$$

$$3 \neq x$$

Pg. 17 Copy a Segment

Pg. 30 Bisect a Segment