

Geometry 11/14

Warm Up IXL

8th Grade

T.4

I can measure segments and calculate with measures

Use a ruler to measure the length of each line segment. Measure each segment in inches. Round your measurements to the nearest $\frac{1}{8}$ of an inch.

1) 

2) 

I can measure segments and calculate with measures

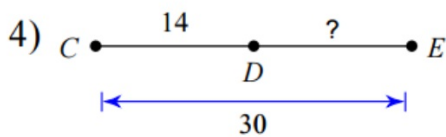
Use a ruler to measure the length of each line segment. Measure each segment in centimeters. Round your measurements to the nearest millimeter.

1) 

2) 

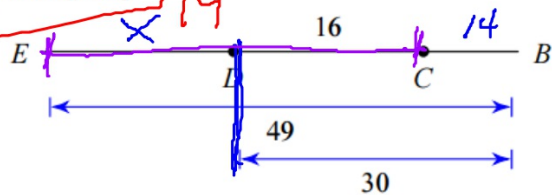
I can measure segments and calculate with measures

Find the length indicated.



$$\begin{array}{r} 14 + x = 30 \\ -14 \quad -14 \\ \hline \boxed{x = 16} \end{array}$$

7) Find EC



$$\begin{array}{r} x + 30 = 49 \\ -30 \quad -30 \\ \hline x = 19 \end{array}$$

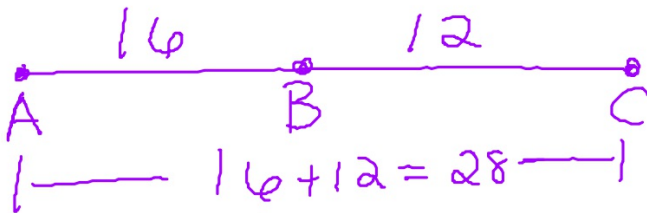
$$19 + 16 =$$

$$\boxed{EC = 35}$$

I can measure segments and calculate with measures

Points A, B, and C are collinear. Point B is between A and C. Find the length indicated.

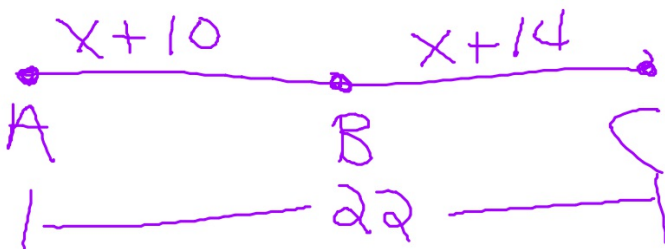
9) Find AC if $AB = 16$ and $BC = 12$.



$$\overline{AC} = 28$$

Points A, B, and C are collinear. Point B is between A and C. Solve for x .

12) $AC = 22$, $BC = x + 14$, and $AB = x + 10$.
Find x .



$$x + 10 + x + 14 = 22$$

$$2x + 24 = 22$$

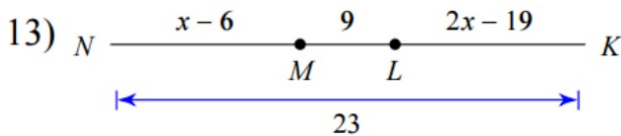
$$-24 \quad -24$$

$$\frac{2x}{2} = \frac{-2}{2}$$

$$x = -1$$

I can measure segments and calculate with measures

Solve for x .



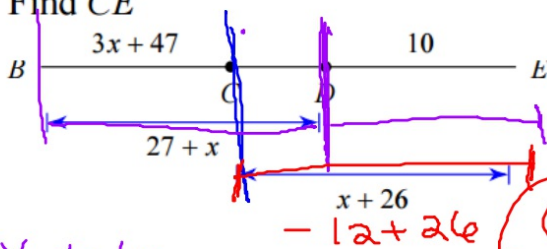
$$x - 6 + 9 + 2x - 19 = 23$$

$$3x - 16 = 23$$

$$\frac{3x}{3} = \frac{39}{3} \quad \boxed{x = 13}$$

Find the length indicated.

15) Find CE



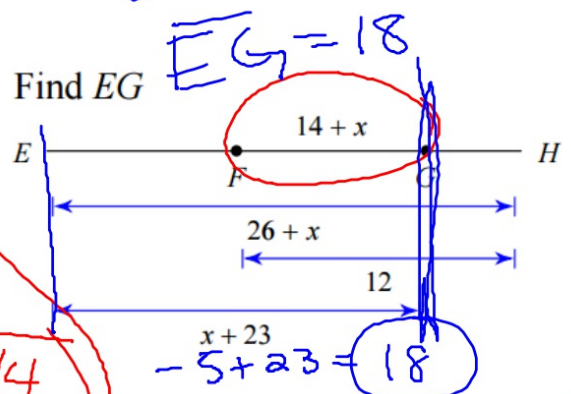
$$27 + x + 10 = 3x + 47 + x + 26$$

$$x + 37 = 4x + 73$$

$$\begin{array}{r} -4x \\ \hline -3x + 37 = 73 \\ -37 \quad -37 \\ \hline \end{array}$$

$$\frac{-3x}{-3} = \frac{36}{-3} \quad x = -12$$

18) Find EG



$$-5 + 23 = 18$$

$$26 + x = x + 23 + 12 - 11$$

$$26 + x = x + 23 + 12 - 11$$

$$26 + x = 21$$

$$\frac{-26}{-26} \quad \frac{-26}{-26}$$

$$x = -5$$

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ICA/Hmwk

Kuta Packet

IXL Geometry B.5