

Write the Segment Addition Postulate for the points described. Draw a picture to help.

1. S is between D and P
2. J is between S and H
3. C is between Q and R
4. T is between M and N

C is between A and E. For each problem, draw a picture representing the three points and the information given. Solve for indicated.

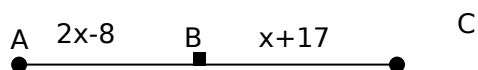
5. If $AC = 24$ in. and $CE = 13$ in., $AE = \underline{\hspace{2cm}}$.
6. If $CE = 7$ in. and $AE = 23$ in., $AC = \underline{\hspace{2cm}}$.

Find QR in the following problems. R is between Q and S.

7. If $RS = 44.6$ and $SQ = 68.4$, find QR.
8. If $RS = 33.5$ and $RQ = 80$, find SQ.

Refer to the figure and the given information to find each measure.

9. Given : $AC = 39$ m

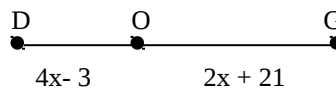


$x = \underline{\hspace{2cm}}$

$AB = \underline{\hspace{2cm}}$

$BC = \underline{\hspace{2cm}}$

10. Given the figure and $DG = 60$ ft.



$x = \underline{\hspace{2cm}}$

$DO = \underline{\hspace{2cm}}$

$OG = \underline{\hspace{2cm}}$

If U is between T and B, find the value of x and the lengths of the segments. (Hint: Draw a picture for each problem with the given information and then write the equation to solve.)

