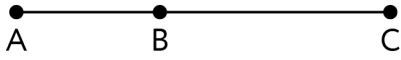


SEGMENT ADDITION POSTULATE

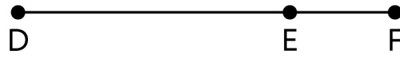
Use the segment addition postulate to answer each question.

1) $AB = 10$ and $BC = 14$



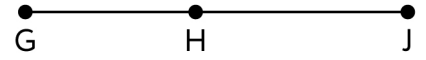
$AC = \underline{\hspace{2cm}}$

2) $DE = 18$ and $DF = 25$



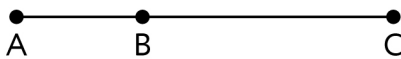
$EF = \underline{\hspace{2cm}}$

3) $GH = 6$ and $HJ = 13$



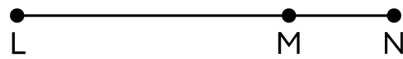
$GJ = \underline{\hspace{2cm}}$

4) $AB = 8$ and $AC = 23$



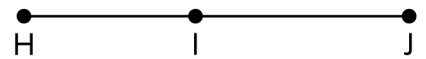
$BC = \underline{\hspace{2cm}}$

5) $LM = x + 4$, $MN = 2x$,
 $LN = 25$



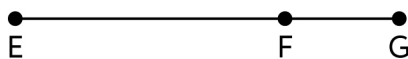
$x = \underline{\hspace{2cm}}$

6) $HJ = 18$, $HI = x - 2$, $IJ = 3x$



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

7) $EF = 3x + 5$, $FG = 2x - 3$,
 $EG = 27$



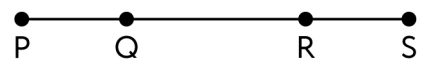
$x = \underline{\hspace{2cm}}$

8) $ST = 5x + 3$, $TU = x + 8$,
 $SU = 59$



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

9) $QR = 12$, $RS = 8$, $PS = 32$

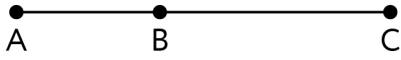


$PQ = \underline{\hspace{2cm}}$

SEGMENT ADDITION POSTULATE

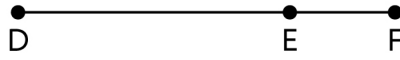
Use the segment addition postulate to answer each question.

1) $AB = 10$ and $BC = 14$



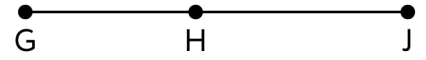
$AC = \underline{24}$

2) $DE = 18$ and $DF = 25$



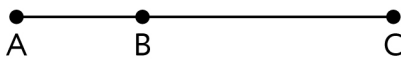
$EF = \underline{7}$

3) $GH = 6$ and $HJ = 13$



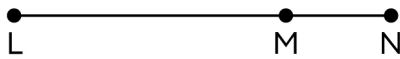
$GJ = \underline{19}$

4) $AB = 8$ and $AC = 23$



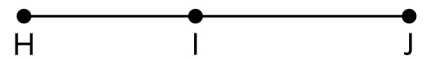
$BC = \underline{15}$

5) $LM = x + 4$, $MN = 2x$,
 $LN = 25$



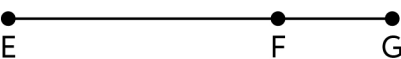
$x = \underline{7}$

6) $HJ = 18$, $HI = x - 2$, $IJ = 3x$



$x = \underline{5}$

7) $EF = 3x + 5$, $FG = 2x - 3$,
 $EG = 27$



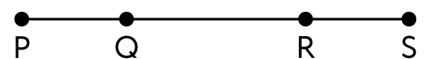
$x = \underline{5}$

8) $ST = 5x + 3$, $TU = x + 8$,
 $SU = 59$



$x = \underline{8}$

9) $QR = 12$, $RS = 8$, $PS = 32$



$PQ = \underline{12}$