

Grade 4, Module 4, Lesson 10, Use the addition of adjacent angle measures to solve problems using a symbol for the unknown angle measure.



Today's Goal: I will be able to find the measurement of the missing angle.

Lesson Guide:

Right angles measure 90°

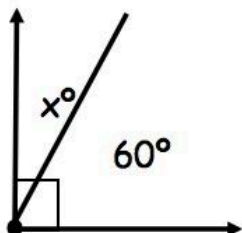


Straight angles measure 180°



Guided Practice:

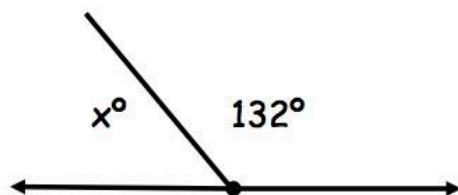
1)



$$90^\circ - 60^\circ = 30^\circ$$

$$x = 30^\circ$$

2)

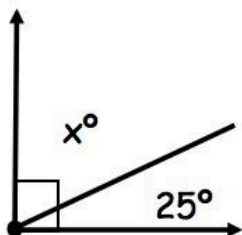


$$132^\circ + x^\circ = 180^\circ$$

$$x = 48^\circ$$

$$\begin{array}{r} 7\ 10 \\ 180 \\ - 132 \\ \hline 48 \end{array}$$

3)

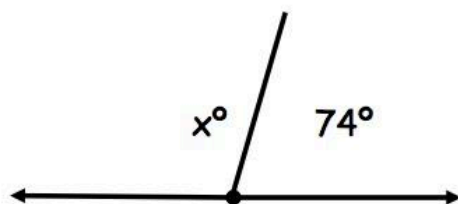


$$25^\circ + x^\circ = 90^\circ$$

$$x = 65^\circ$$

$$\begin{array}{r} 8\ 10 \\ 90 \\ - 25 \\ \hline 65 \end{array}$$

4)



$$74^\circ + x^\circ = 180^\circ$$

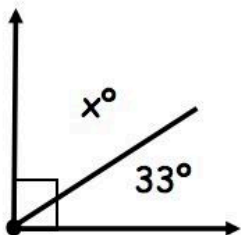
$$x = 106^\circ$$

$$\begin{array}{r} 7\ 10 \\ 180 \\ - 74 \\ \hline 106 \end{array}$$

Grade 4, Module 4, Lesson 10, Use the addition of adjacent angle measures to solve problems using a symbol for the unknown angle measure.

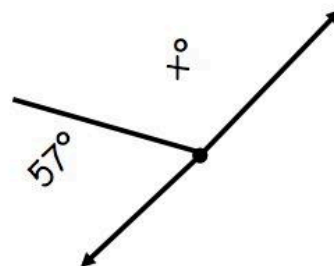
Independent Practice:

1)



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

2)



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