

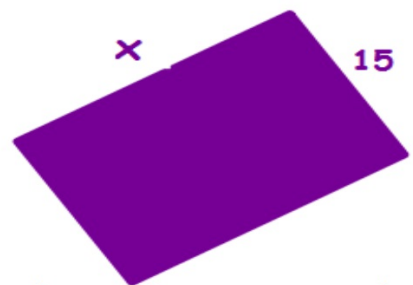
WARM UP

1) Find the missing side

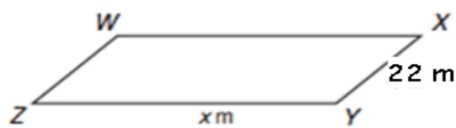
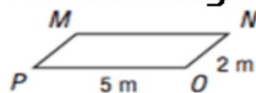
12.5



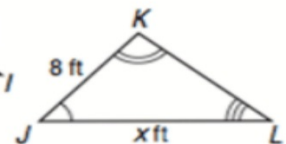
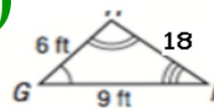
14



2) find the missing side:



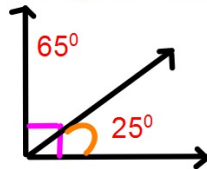
3)



LEQ: How are angles represented in the 7th grade standard?

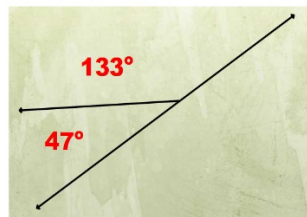
Complementary Angles

Two angles when added together equal 90°



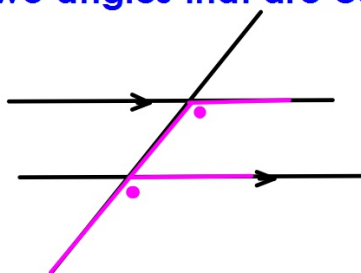
Supplementary Angles

Two angles when added together equal 180°



Corresponding Angles

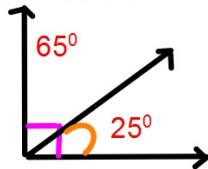
Two angles that are congruent (same, equal)



LEQ: How are angles represented in the 7th grade standard?

Adjacent Angles

angles that are located **NEXT** to each other

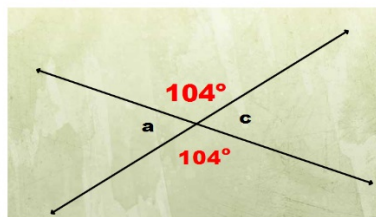


Can be complementary or supplementary



Vertical Angles

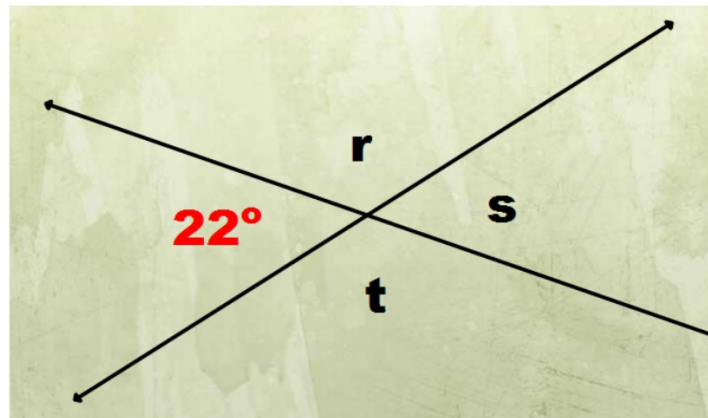
angles that are **ACROSS** from each other



ALWAYS EQUAL (congruent)

LEQ: How are angles represented in the 7th grade standard?

Find the measurements of the other 3 angles.



supplementary angles

$$22 + r = 180$$

$$-22 \quad -22$$

$$r = 158$$

corresponding angles

$$r = t$$

$$158 = 158$$

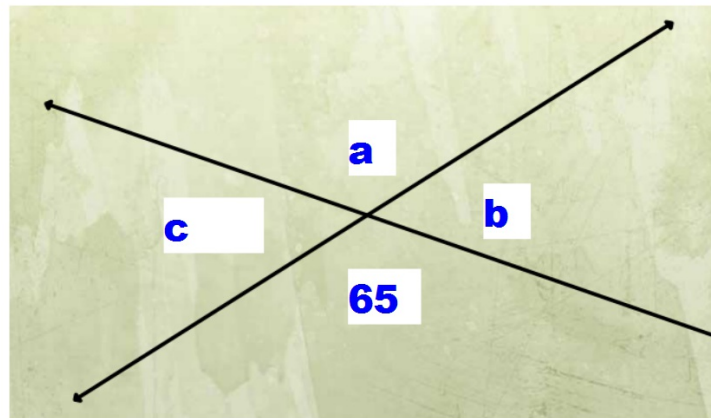
vertical angles

$$22^\circ = s$$

$$s = 22^\circ$$

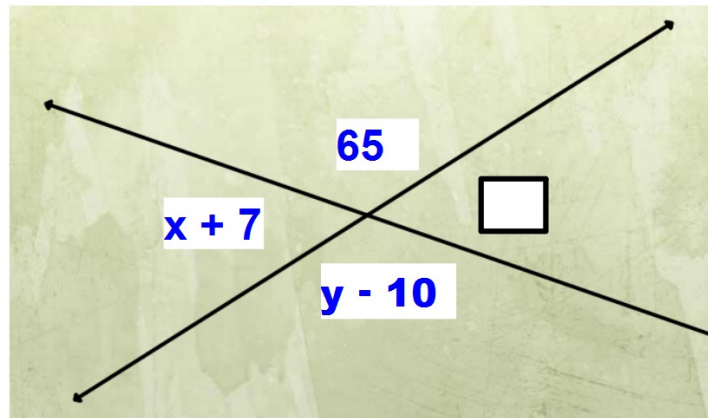
LEQ: How are angles represented in the 7th grade standard?

Find the measurements of the other 3 angles.

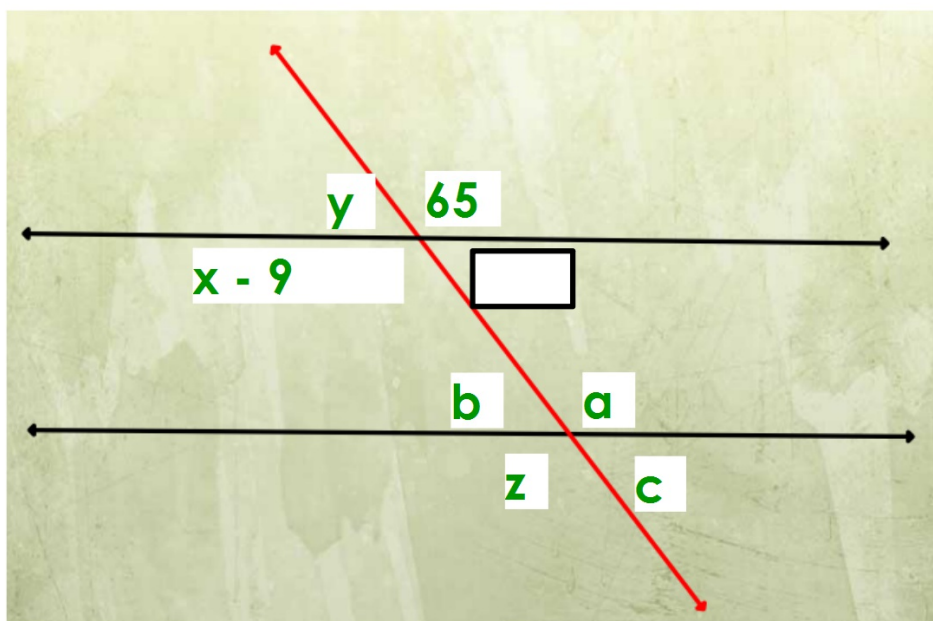


LEQ: How are angles represented in the 7th grade standard?

Find the values for x and y .



Hint: Think Supplementary, Corresponding, and Vertical Angles



Hint: Supplementary and Corresponding Angles

a=
b=
c=

x=
y=
z=