

Name:

ANSWERS!

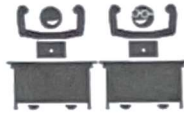
Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

There are many ways to do this problem. 😊

Question 01

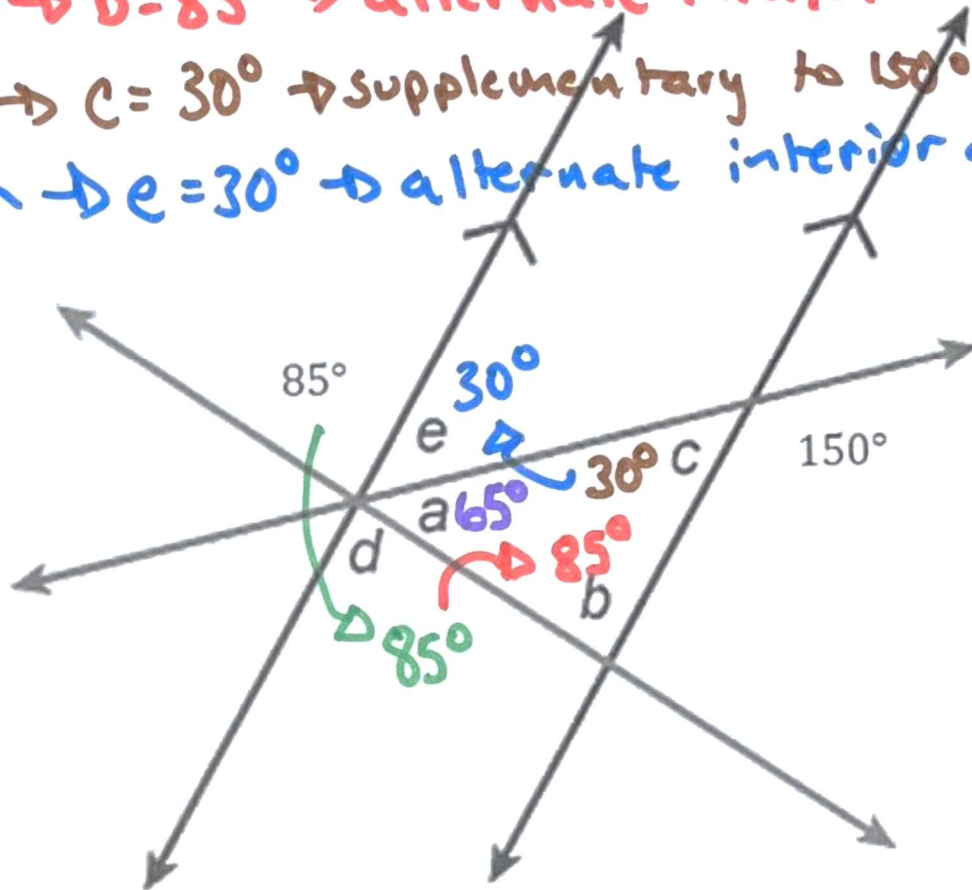
Fill in missing angle measurements "a" through "e"!

first $\rightarrow d = 85^\circ \rightarrow$ vertical angles

second $\rightarrow b = 85^\circ \rightarrow$ alternate interior angles

third $\rightarrow c = 30^\circ \rightarrow$ supplementary to 150°

fourth $\rightarrow e = 30^\circ \rightarrow$ alternate interior angles

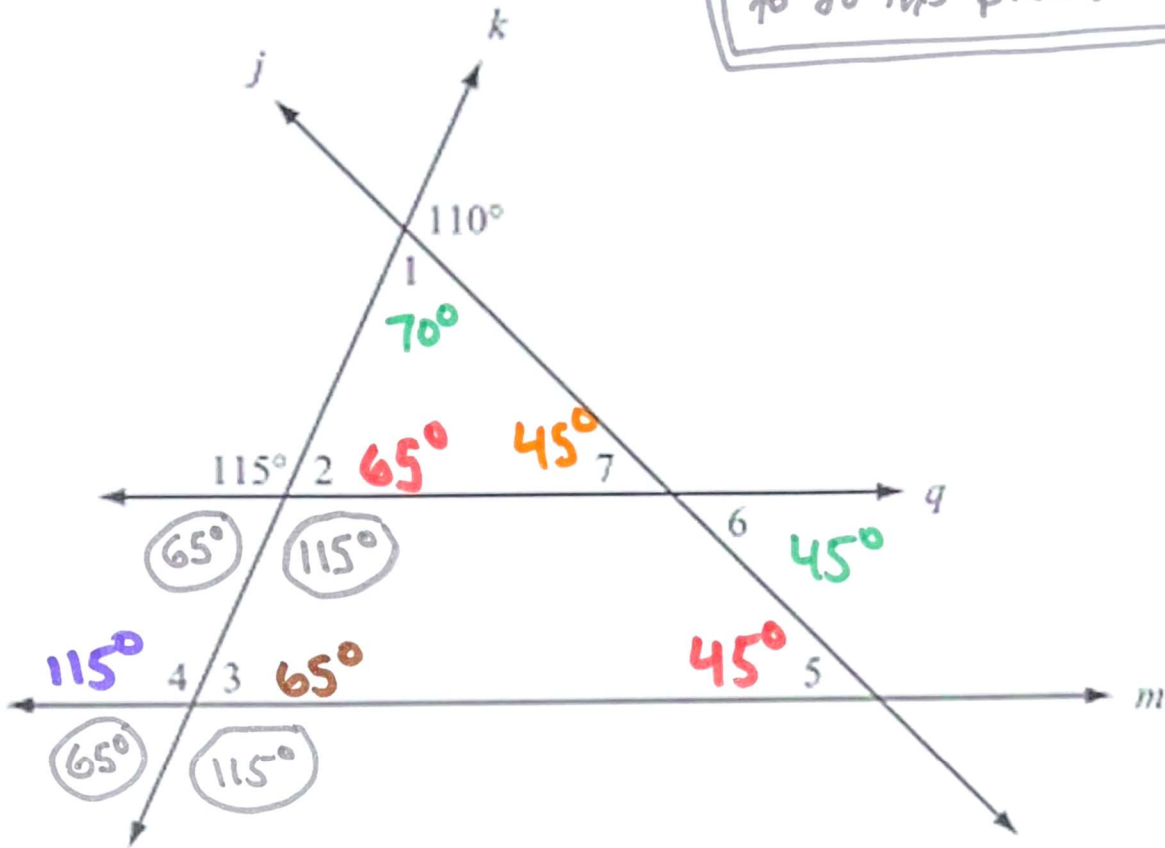


fifth $\rightarrow a = 65^\circ \rightarrow$ Triangles are 180°
 $180 - 85 - 30 = 65$

Question 02

Line q and Line m are parallel. Fill in missing angle measurements "1" through "7"!

There are many ways to do this problem 😊



- first $\rightarrow 1 = 70^\circ \rightarrow$ supplementary to 110°
- second $\rightarrow 2 = 65^\circ \rightarrow$ supplementary to 115°
- third $\rightarrow 3 = 65^\circ \rightarrow$ parallel lines repeat angles
- fourth $\rightarrow 4 = 115^\circ \rightarrow$ parallel lines repeat angles
- fifth $\rightarrow 7 = 45^\circ \rightarrow$ Triangles are 180°
 $180 - 70 - 65 = 45$
- sixth $\rightarrow 6 = 45^\circ \rightarrow$ vertical to angle 7
- seventh $\rightarrow 5 = 45^\circ \rightarrow$ alternate interior angles