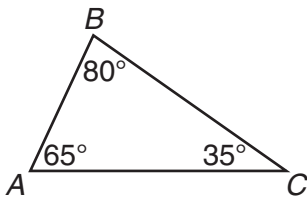


SKILL
12 Ratios

Definition: A ratio is a comparison of two or more numbers, called the terms of the ratio.

Ways to Write Ratios		
Words	Ratio	Fraction
2 to 3	2:3	$\frac{2}{3}$

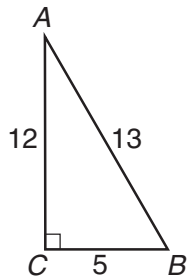
Example: Write the ratio of the measures of angle *A* to angle *B* in triangle *ABC* below.



- Step 1:** What are the terms of the ratio? angle *A* and angle *B*
Step 2: What is the measure of angle *A*? 65°
 What is the measure of angle *B*? 80°
Step 3: Write the ratio in the order requested: 65 to 80 or 65:80 or $\frac{65}{80}$
Step 4: Simplify if possible: 13 to 16 or 13:16 or $\frac{13}{16}$

Practice on Your Own

Use $\triangle ABC$ to write each ratio three different ways. Write your answers in simplest form.



- AB* to *AC* _____
- AC* to *AB* _____
- length of shortest leg to hypotenuse _____
- perimeter of $\triangle ABC$ to area _____

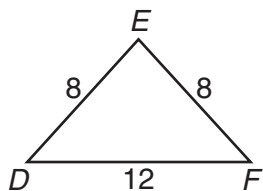
Use the table to write each ratio in simplest fraction form.

Cars in the Parking Lot	
Red	20
Black	43
White	10

- red cars to black cars _____
- red cars to white cars _____
- red cars to not red cars _____
- red cars to total cars _____

Check

Use $\triangle DEF$ to write each ratio three different ways. Write your answers in simplest form.



- DE* to *EF* _____
- DE* to *DF* _____
- DE* to perimeter of $\triangle DEF$ _____