2.3 <u>Verbal Problems Involving Ratio</u>

recall: a ratio is: a comparisión of two numbers

*equivalent ratios - are like equivalent fractions

Ratio Word Problems

let
$$x = \text{ratio factor}$$

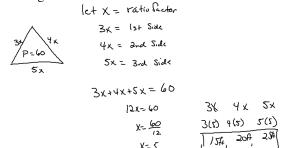
multiply each part of the given ratio
by x to identify the item.

Examples:

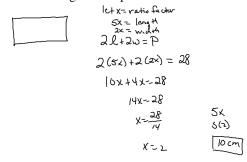
1. Two numbers are in a ratio of 5:6. If the sum of the numbers is 66, find the larger number.

2. Two numbers have the ratio 7: 5. Their difference is 12. Find the numbers.

3. The perimeter of a triangle is 60 ft. If the sides are in the ratio 3: 4: 5, find the length of each side of the triangle.



X-5



5. In a basketball foul-shooting contest, the points made by Sam and Wilbur were in the ratio 7: 9. Wilbur made 6 more points than Sam. Find the number of points made by each player.

HOMEWORK

Worksheet - HW 2.3 Ratio Word Problems