

More Challenging Problems

1) The sum of three integers which are in the ratio 2:5:7 is 126. Find the smallest integer.

2) A piece of candy was cut in a ratio of 2:5. If the smaller piece was 21 centimeters shorter than the longer one, how long was the original piece of candy?

3) The ratio of a rectangles length to its width is 2:3 and it's perimeter is 100cm. Find its area.

5) A jar contained 98 marbles, all green and yellow. The ratio of green marbles to yellow marbles was 5:2. When 2 more yellow marbles are added, what is the new ratio of green marbles to yellow marbles?

6) Olivia gave me a recipe for Crepes. She said that I needed 195 g of flour. I need to convert to cups of flour since I don't have a scale to measure grams. I found a chart that said that  $\frac{1}{8}$  of a cup of flour is 15 grams. About how many cups of flour do I need?

7) Mrs. Rush asked her students to find out their heart rate by counting beats in a 20 second period. Will counted 41 beats in the 20 second period. Calculate his heart rated (beats/minute)