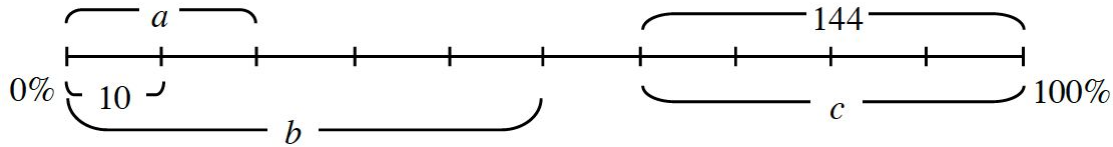


Lesson 5.1.1 Homework

5-9. Find the missing values on the diagram below. Assume that each line is evenly divided.



5-10. A fish tank that holds 80 gallons of water is 55% full.

a. Create a drawing like Louis's in problem 5-4 to represent this situation.

b. How many gallons are in the tank now? How many more gallons are needed to fill the tank?

5-11. Fill in the missing numbers in each number sentence.

a. $\frac{5}{8} \cdot \frac{3}{3} = \frac{?}{?}$

b. $\frac{9}{15} \cdot \frac{?}{?} = \frac{?}{60}$

c. $\frac{7}{20} \cdot \frac{?}{?} = \frac{?}{110}$

d. $\frac{44}{100} \cdot \frac{?}{?} = \frac{?}{60}$

e. What strategies did you use to find the numbers in the Giant One in parts (b), (c), and (d)?

5-13. Simplify the following expressions.

a. $\frac{2}{3} + \frac{4}{5}$

b. $\left(\frac{4}{5}\right)\left(\frac{2}{3}\right)$

c. $\frac{4}{5} - \left(-\frac{2}{3}\right)$