

Problem Set

Rewrite each problem as a multiplication question. Model your answer.

1. Nicole used $\frac{3}{8}$ of her ribbon to wrap a present. If she used 6 feet of ribbon for the present, how much ribbon did Nicole have at first?
2. A Boy Scout has 3 meters of rope. He cuts the rope into cords $\frac{3}{5}$ m long. How many cords will he make?
3. 12 gallons of water fill a tank to $\frac{3}{4}$ capacity.
 - a. What is the capacity of the tank?
 - b. If the tank is then filled to capacity, how many half-gallon bottles can be filled with the water in the tank?
4. Hunter spent $\frac{2}{3}$ of his money on a video game before spending half of his remaining money on lunch. If his lunch costs \$10, how much money did he have at first?
5. Students were surveyed about their favorite colors. $\frac{1}{4}$ of the students preferred red, $\frac{1}{8}$ of the students preferred blue, and $\frac{3}{5}$ of the remaining students preferred green. If 15 students preferred green, how many students were surveyed?
6. Mr. Scruggs got some money for his birthday. He spent $\frac{1}{5}$ of it on dog treats. Then, he divided the remainder equally among his 3 favorite charities.
 - a. What fraction of his money did each charity receive?
 - b. If he donated \$60 to each charity, how much money did he receive for his birthday?