Divide Fractions Word Problems Worksheets

1. 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?

2. 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?

3. Students were surveyed about their favorite colors. $\frac{3}{5}$ of the students preferred green. If 15 students preferred green, how many students were surveyed?

4. 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?

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1. 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?

$$3 \div \frac{3}{5} = 3 \times \frac{5}{3} = 5$$

2. 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?

$$10 \div \frac{2}{3} = 10 \times \frac{3}{2} = 15$$

3. Students were surveyed about their favorite colors. $\frac{3}{5}$ of the students preferred green. If 15 students preferred green, how many students were surveyed?

$$15 \div \frac{3}{5} = 15 \times \frac{5}{3} = 25$$

4. 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?

$$1 - \frac{1}{5} = \frac{4}{5}$$
$$\frac{4}{5} \div 3 = \frac{4}{5} \times \frac{1}{3} = \frac{4}{15}$$

    b.   If he donated $60 to each charity, how much money did he receive for his birthday?

$$60 \div \frac{4}{15} = 60 \times \frac{15}{4} = 225$$

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