

Fraction word problems (unit fraction)

Grade 5 Word Problems Worksheet

1. Rey has 6 liters of lime juice and 15 cans of soda. He poured the lime juice into plastic bottles such that each bottle contained $\frac{3}{5}$ liters of juice with none left over. How many plastic bottles of juice did he have?

2. A box of milk powder contains 10 servings, and each serving equals 6 scoops of milk powder. The weight of the box of milk powder is $\frac{3}{4}$ kilograms. What is the weight of each serving of milk powder?

3. To make sure the coffee is not too sweet or tasteless, Arvin puts $\frac{1}{10}$ cup of sugar and $\frac{2}{11}$ cup of creamer in one large serving of coffee for his customers. At the end of the day, there were only 6 cups of sugar left in the jar. Is there enough sugar for 58 servings for the next day?



Answers

1. $6 \div \frac{3}{5} = 10$

He had 10 plastic bottles of lime juice.

2. $\frac{3}{4} \div 10 = \frac{3}{40}$

Each serving of milk powder weighs $\frac{3}{40}$ kgs.

3. $6 \div \frac{1}{10} = 60$

6 cups of sugar are needed for 60 servings.

There is enough sugar for 58 servings of coffee.

4. $18 \div \frac{3}{7} = 42$

There were 42 mugs of hot drinks served yesterday.

5. $\frac{10}{11} \div 5 = \frac{2}{11}$

Each basketball player had consumed $\frac{2}{11}$ of the water in the small container.

6. $\frac{4}{5} \div 8 = \frac{1}{10}$

It takes $\frac{1}{10}$ of an hour to finish painting one figurine.

$$\frac{1}{10} \times 12 = \frac{12}{10} = \frac{6}{5} = 1 \frac{1}{5}$$

It will take $1 \frac{1}{5}$ hours to paint 12 ceramic figurines.