Multiplying fractions by whole numbers

Grade 4 Word Problems Worksheet

1. Ashley and four friends went trick-or-treating. Each of them got $\frac{4}{5}$ of a bag of treats. How many bags of treats did they have in total?

2. Ken drinks $\frac{2}{7}$ of a carton of milk each day. How much milk does he drink in 3 days?

3. There are 8 water bottles, and each bottle is $\frac{3}{4}$ filled with water. If we pour all the water together, how many water bottles can be filled up?

4. At a birthday party, there are 15 children. Each child will eat 3/16 of a pizza. How many pizzas should the host order?

5. If each dozen cookies needs $\frac{3}{4}$ of a bag of flour to make, how many bags of flour does grandma needs to buy if she is making 10 dozen cookies?

Answers

1. $\frac{4}{5} \times 5 = 4$

    They had 4 bags of treats in total.

2. $\frac{2}{7} \times 3 = \frac{6}{7}$

    He drinks $\frac{6}{7}$ carton of milk each day.

3. $\frac{3}{4} \times 8 = 6$

    6 water bottles can be filled up.

4. $\frac{3}{16} \times 15 = \frac{45}{16} = 2\frac{13}{16}$

    $2\frac{13}{16}$ is between 2 and 3.

    So, the host should order 3 pizzas.

5. $\frac{3}{4} \times 10 = \frac{30}{4} = \frac{15}{2} = 7\frac{1}{2}$

    $7\frac{1}{2}$ is between 7 and 8.

    So, grandma needs to buy 8 bags of flour.