Name: .... Class: ....

Multiply fractions by whole numbers word problems.

a. Last week, Ethel's bakery sold $\dfrac{1}{5}$ as many chocolate cupcakes as vanilla cupcakes. If they sold 15 baskets of vanilla cupcakes , how many baskets of chocolate cupcakes did they sell? Write your answer as a fraction or as a whole number or as a mixed number.

b. There are 900 students in the school that Handson attends. $\dfrac{5}{9}$ of the students are girls. How many girls are there in the school? Write your answer as a fraction, or as a whole number, or as a mixed number.

c. Mr. Johnson has a building company. Of all the 250 employees, $\dfrac{17}{25}$ of the employees are builders. How many employees are builders? Write your answer as a fraction, or as a whole number, or as a mixed number.

mathskills4kids

Name: .... Class: ....

Multiply fractions by whole numbers word problems.

a. Last week, Ethel's bakery sold $\frac{1}{5}$ as many chocolate cupcakes as vanilla cupcakes. If they sold 15 baskets of vanilla cupcakes , how many baskets of chocolate cupcakes did they sell? Write your answer as a fraction or as a whole number or as a mixed number.

Ethel's bakery sold $\frac{1}{5}$ times 15 baskets of chocolate cupcakes.

So, multiply 15 by $\frac{1}{5}$ ⟶ $\frac{1}{5} \times 15 = \frac{15}{5} = 3$

Therefore, Ethel's bakery sold 3 baskets of chocolate cupcakes.

b. There are 900 students in the school that Handson attends. $\frac{5}{9}$ of the students are girls. How many girls are there in the school? Write your answer as a fraction, or as a whole number, or as a mixed number.

To solve this problem, multiply the fraction of girls by the total number of students.

So, multiply 900 by $\frac{5}{9}$ ⟶ $\frac{5}{9} \times 900 = \frac{500}{1}$

Therefore, there are 500 girls.

c. Mr. Johnson has a building company. Of all the 250 employees, $\frac{17}{25}$ of the employees are builders. How many employees are builders? Write your answer as a fraction, or as a whole number, or as a mixed number.

To solve this problem, multiply 250 by $\frac{17}{25}$ to know the number of employees that are builders

So, multipling 250 by $\frac{17}{25}$ ⟶ $\frac{17}{25} \times 250 = 170$

Therefore, there are 170 employees that are builders