

Multiplying a Fraction by a Whole Number

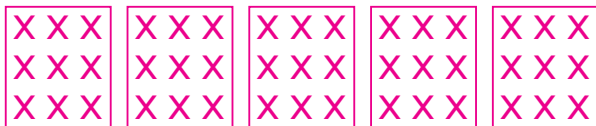


Solve. Use drawings, words, and equations to represent the problems.

- ① 5 vans were needed for a camp field trip. There were 9 children per van.

How many children went on the field trip? 45 children

Drawing:



Words: 5 groups of 9

Addition equation: $9 + 9 + 9 + 9 + 9 = 45$

Multiplication equation: $5 * 9 = 45$

- ② Penny and her 2 friends each ate $\frac{1}{6}$ of a cake. How much cake did they eat?

$\frac{3}{6}$ of a cake

Drawing:



Words: 3 groups of $\frac{1}{6}$

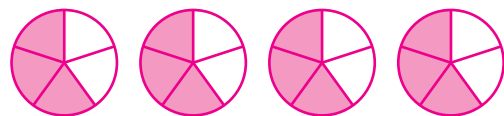
Addition equation: $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} = \frac{3}{6}$

Multiplication equation: $3 * \frac{1}{6} = \frac{3}{6}$

- ③ Christopher wants to give his 4 friends $\frac{3}{5}$ of a veggie pizza each.

How much veggie pizza will he need? $2\frac{2}{5}$ veggie pizzas

Drawing:



Words: 4 groups of $\frac{3}{5}$

Addition equation: $\frac{3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \frac{12}{5}$

Multiplication equation: $4 * \frac{3}{5} = \frac{12}{5}$

Practice

④ $84 \div 6 =$ 14

⑤ $76 \div 4 =$ 19

⑥ 18 $= 90 \div 5$