

Name _____

Multiplying Fractions and Whole Numbers

You can find the product of a fraction and a whole number.

Tran needs $\frac{2}{3}$ yard of fabric to sew a pair of shorts. How many yards of fabric will Tran need to sew 6 pairs of shorts?

Step 1. Multiply the numerator by the whole number.

$$2 \times 6 = 12$$

Step 2. Place the product over the denominator. Simplify if possible.

$$\frac{12}{3} = 4 \text{ yards of fabric}$$

Remember: In word problems, “of” means “multiply.”

Example: $\frac{3}{5}$ of 15 = $\frac{3}{5} \times 15$

In questions 1–4, find each product. Simplify if possible.

1. $\frac{1}{3} \times 60 =$ _____

2. $\frac{3}{4}$ of 32 = _____

3. $\frac{7}{8} \times 40 =$ _____

4. $\frac{2}{7}$ of 35 = _____

For questions 5–7, use the table to the right.

5. What is $\frac{1}{7}$ the speed of a cheetah? _____

6. What is $\frac{1}{5}$ the speed of a cat? _____

7. What is $\frac{1}{5}$ the speed of a jackal? _____

Animal	Speed (in mi/h)
Cat	30
Cheetah	70
Jackal	35