

Fraction Times Fun

Multiply fractions and whole numbers.

GRADE 4 • MA.4.FR.2.4

MA.4.FR.2.4 "Extend previous understanding of multiplication to explore the multiplication of a fraction by a whole number or a whole number by a fraction."

NAME _____

DATE _____

MULTIPLY A FRACTION

To multiply a fraction by a whole number, multiply the whole number and the numerator. Keep the denominator the same, then simplify or write a mixed number if needed.

WORKED EXAMPLE

$$11 \times 4/13 = \underline{\hspace{2cm}}$$

1. Multiply the whole number and numerator: $11 \times 4 = 44$.
2. Keep the denominator: $44/13$.
3. Rename the improper fraction: $44/13 = 3 \frac{5}{13}$.

Answer: $3 \frac{5}{13}$

PRACTICE 6 problems

1 $1.3 \times 1/5 = \underline{\hspace{2cm}}$

ANSWER _____

2 $2.2/3 \times 6 = \underline{\hspace{2cm}}$

ANSWER _____

3 $3.5 \times 3/8 = \underline{\hspace{2cm}}$

ANSWER _____

4 $4.7/10 \times 2 = \underline{\hspace{2cm}}$

ANSWER _____

5 $5.9 \times 2/7 = \underline{\hspace{2cm}}$

ANSWER _____

6 $6.3/4 \times 12 = \underline{\hspace{2cm}}$

ANSWER _____

APPLY IT Show your work

- 1** A video game club earns $\frac{2}{3}$ of a point for each of 6 completed quests. How many points does the club earn?

WORK SPACE

ANSWER _____

- 2** Jordan rides $\frac{5}{8}$ mile on each lap around a park. Jordan rides 4 laps. How far does Jordan ride?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A robot travels $\frac{5}{6}$ meter in each move. It makes 9 moves. How far does it travel? Show how you rename your answer as a mixed number.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	1. $3 \times 1/5 = \underline{\hspace{1cm}}$	3/5
2	2. $2/3 \times 6 = \underline{\hspace{1cm}}$	4
3	3. $5 \times 3/8 = \underline{\hspace{1cm}}$	1 7/8
4	4. $7/10 \times 2 = \underline{\hspace{1cm}}$	1 2/5
5	5. $9 \times 2/7 = \underline{\hspace{1cm}}$	2 4/7
6	6. $3/4 \times 12 = \underline{\hspace{1cm}}$	9

PART 2 • APPLY IT

1. **4 points** Multiply $6 \times 2/3 = 12/3$. The club earns 4 points.
2. **2 1/2 miles** Multiply $4 \times 5/8 = 20/8$. Rename $20/8$ as $2 \frac{1}{2}$.

CHALLENGE

7 1/2 meters; $9 \times 5/6 = 45/6 = 7 \frac{1}{2}$.

Accept equivalent fractions and mixed numbers when they are correctly simplified or correctly renamed. For whole-number products, accept the whole number or an equivalent fraction form.