

Fraction Action

Multiply fractions and whole numbers in real situations.

GRADE 4 • MA.4.AR.1.3

MA.4.AR.1.3 "Solve real-world problems involving multiplication of a fraction by a whole number or a whole number by a fraction."

NAME _____

DATE _____

FIND A FRACTION OF A WHOLE

To find a fraction of a whole number, divide the whole number by the denominator. Then multiply the result by the numerator. You can also write the whole number times the fraction.

WORKED EXAMPLE

Find $\frac{5}{8}$ of 24.

1. Write $24 \times \frac{5}{8}$.
2. Divide 24 by 8: $24 \div 8 = 3$.
3. Multiply $3 \times 5 = 15$.

Answer: 15

PRACTICE 6 problems

1 Find $\frac{2}{7}$ of 14.

ANSWER _____

2 Find $7 \times \frac{2}{7}$.

ANSWER _____

3 Find $9 \times \frac{1}{9}$.

ANSWER _____

4 Find $12 \times \frac{1}{6}$.

ANSWER _____

5 Find $14 \times \frac{1}{7}$.

ANSWER _____

6 Find $18 \times \frac{2}{9}$.

ANSWER _____

APPLY IT Show your work

- 1** An arcade game has 18 levels. You finish $\frac{2}{9}$ of the levels. How many levels do you finish?

WORK SPACE

ANSWER _____

- 2** A craft club makes 14 keychains. Each keychain needs $\frac{1}{7}$ yard of cord. How many yards of cord are needed?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A card game has 36 cards. Of the cards, $\frac{1}{6}$ are shiny. The rest are regular. How many regular cards are there?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Find $\frac{2}{7}$ of 14.	4
2	Find $7 \times \frac{2}{7}$.	2
3	Find $9 \times \frac{1}{9}$.	1
4	Find $12 \times \frac{1}{6}$.	2
5	Find $14 \times \frac{1}{7}$.	2
6	Find $18 \times \frac{2}{9}$.	4

PART 2 • APPLY IT

1. **4 levels** Find $\frac{2}{9}$ of 18. Divide 18 by 9, then multiply by 2.
2. **2 yards** Multiply 14 by $\frac{1}{7}$. Divide 14 by 7, then multiply by 1.

CHALLENGE**30 regular cards**

Accept equivalent fraction answers when a problem has a fractional result. For the challenge, students should find $\frac{1}{6}$ of 36 is 6, then subtract 6 from 36.