

# Multiply Fractions

## Guided Practice

Multiply. Write in simplest form. (Examples 1–3)

1.  $\frac{1}{8} \times \frac{1}{2} =$  \_\_\_\_\_

Show your work

2.  $\frac{2}{3} \times \frac{4}{5} =$  \_\_\_\_\_

3.  $\frac{4}{5} \times 10 =$  \_\_\_\_\_

4.  $\frac{3}{4} \times 12 =$  \_\_\_\_\_

5.  $\frac{3}{10} \times \frac{5}{6} =$  \_\_\_\_\_

6.  $\frac{3}{5} \times \frac{5}{6} =$  \_\_\_\_\_

7. Rick has  $\frac{1}{2}$  of a footlong sub left from yesterday. He ate  $\frac{1}{3}$  of the leftover sandwich as a snack. What fraction of the entire sandwich did he eat as a snack? (Example 4)
- \_\_\_\_\_

## Independent Practice

Multiply. Write in simplest form. (Examples 1–3)

1.  $\frac{1}{3} \times \frac{2}{5} =$  \_\_\_\_\_

Show your work

2.  $\frac{3}{4} \times \frac{5}{8} =$  \_\_\_\_\_

3.  $\frac{2}{3} \times 4 =$  \_\_\_\_\_

4.  $\frac{5}{6} \times 15 =$  \_\_\_\_\_

5.  $\frac{2}{3} \times \frac{1}{4} =$  \_\_\_\_\_

6.  $\frac{4}{9} \times \frac{3}{8} =$  \_\_\_\_\_



**Financial Literacy** Juanita spent  $\frac{3}{4}$  of her allowance at the mall. Of the money spent at the mall,  $\frac{1}{2}$  was spent on new earphones. What part of her allowance did Juanita spend on earphones? (Example 4)

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.....

8. A paint store has 35 gallons of paint in storage,  $\frac{2}{5}$  of which are for outdoor use. The others are for indoor use. If each gallon costs \$22, what is the total cost of the indoor paint in storage?
- .....
- .....



### Standardized Test Practice

15. In a recent survey,  $\frac{5}{8}$  of pet owners stated that they allow their pet to go outside. Of these,  $\frac{1}{3}$  allow their pet outside without supervision. Which expression gives the fraction of the pet owners surveyed that allow their pet outside without supervision?

(A)  $\frac{5}{8} + \frac{1}{3}$

(C)  $\frac{5}{8} \times \frac{1}{3}$

(B)  $\frac{5}{8} - \frac{1}{3}$

(D)  $\frac{5}{8} \div \frac{1}{3}$

19.  $\frac{3}{8} \times 11 =$  .....

20.  $\frac{3}{5} \times \frac{5}{7} =$  .....

21.  $\frac{2}{5} \times \frac{5}{6} =$  .....

22. The bleachers at a football game are  $\frac{7}{8}$  full, and  $\frac{1}{2}$  of the fans in the bleachers are rooting for the home team. What fraction of the bleachers are filled with home-team fans? Justify your procedure.
- .....
- .....

23. The table shows the fraction of the votes that each candidate received. If 230 students voted, how many students voted for each candidate? .....
- .....
- .....

Candidate	Fraction of Votes
Nyemi	$\frac{3}{5}$
Luke	$\frac{3}{10}$
Natalie	$\frac{1}{10}$