

# Multiply Fractions Answers

## 1. Multiply Fractions 1 with Circles

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

**first factor**      **second factor**

$\frac{3}{4} \times \frac{2}{1} = \frac{6}{4} =$

Write in fraction form and multiply.

$1 \frac{1}{2}$

Simplify.

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

**first factor**      **second factor**

$\frac{3}{4} \times \frac{3}{1} = \frac{9}{4} =$

Write in fraction form and multiply.

$2 \frac{1}{4}$

Simplify.

3.  $\frac{7}{8} \times 2 =$

**first factor**      **second factor**

$\frac{7}{8} \times \frac{2}{1} = \frac{14}{8} =$

Write in fraction form and multiply.

$1 \frac{3}{4}$

Simplify.

4.  $\frac{7}{8} \times 3 =$

**first factor**      **second factor**

$\frac{7}{8} \times \frac{3}{1} = \frac{21}{8} =$

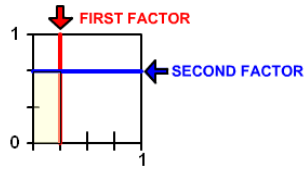
Write in fraction form and multiply.

$2 \frac{5}{8}$

Simplify.

## 2. Multiply Fractions 1 with Lines

1.



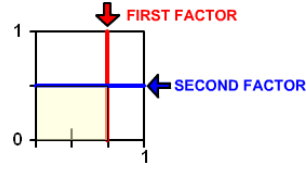
$$\frac{1}{4} \times \frac{2}{3} =$$

first factor      second factor

$$\frac{1}{4} \times \frac{2}{3} = \frac{2}{12} =$$

Multiply numerators and denominators.

2.



$$\frac{2}{3} \times \frac{1}{2} =$$

first factor      second factor

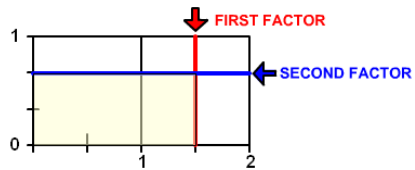
$$\frac{2}{3} \times \frac{1}{2} = \frac{2}{6} =$$

Multiply numerators and denominators.

$$\frac{1}{3}$$

Simplify.

3.



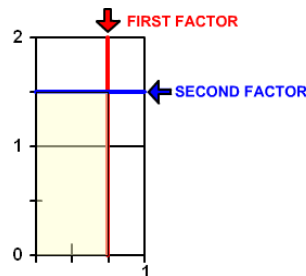
$$1 \frac{1}{2} \times \frac{2}{3} =$$

first factor      second factor

$$\frac{3}{2} \times \frac{2}{3} = \frac{6}{6} =$$

Write in fraction form and multiply.

4.



$$\frac{2}{3} \times 1 \frac{1}{2} =$$

first factor      second factor

$$\frac{2}{3} \times \frac{3}{2} = \frac{6}{6} =$$

Write in fraction form and multiply.

$$1$$

Simplify.

### 3. Multiply Fractions 2 with Circles

1.  $2 \frac{1}{4}$  X  $2$  =  $\frac{9}{4} \times \frac{2}{1} = \frac{18}{4} = 4 \frac{1}{2}$   
**first factor**      **second factor**      Write in fraction form and multiply.      Simplify.

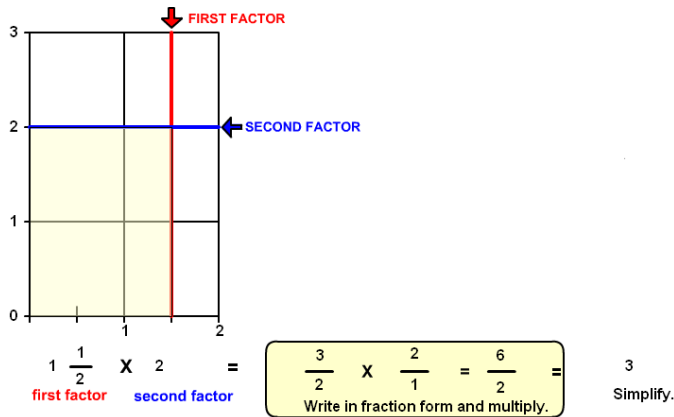
2.  $2 \frac{1}{4}$  X  $3$  =  $\frac{9}{4} \times \frac{3}{1} = \frac{27}{4} = 6 \frac{3}{4}$   
**first factor**      **second factor**      Write in fraction form and multiply.      Simplify.

3.  $1 \frac{3}{8}$  X  $2$  =  $\frac{11}{8} \times \frac{2}{1} = \frac{22}{8} = 2 \frac{3}{4}$   
**first factor**      **second factor**      Write in fraction form and multiply.      Simplify.

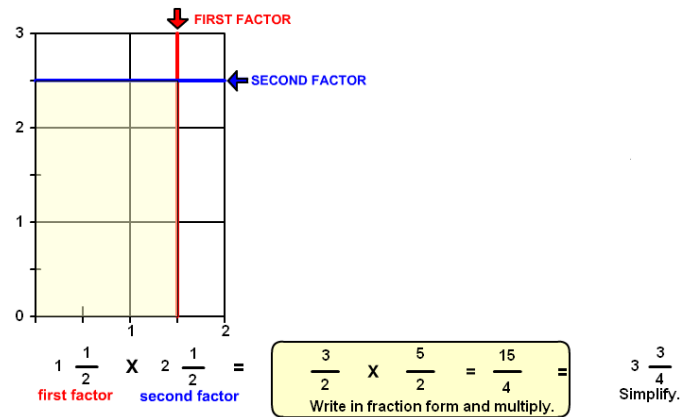
4.  $2 \frac{7}{8}$  X  $2$  =  $\frac{23}{8} \times \frac{2}{1} = \frac{46}{8} = 5 \frac{3}{4}$   
**first factor**      **second factor**      Write in fraction form and multiply.      Simplify.

# 4. Multiply Fractions 2 with Lines

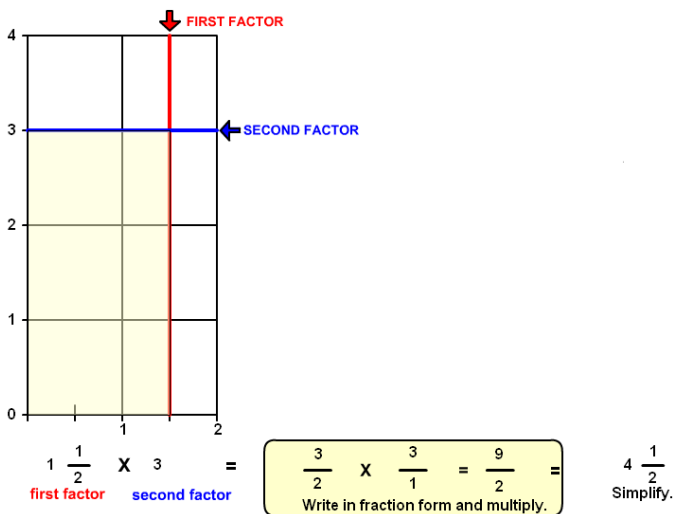
1.



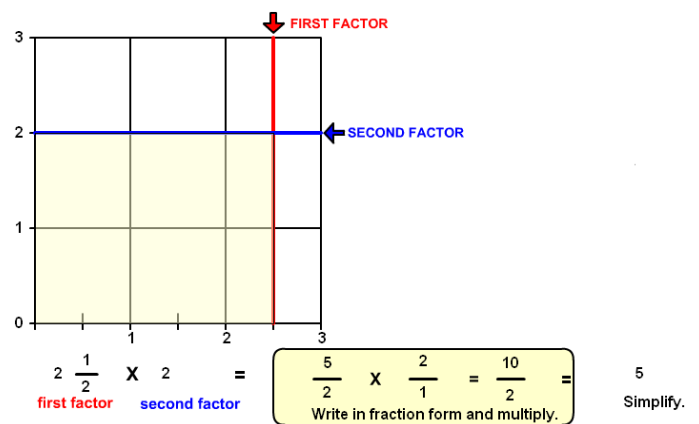
2.



3.



4.



## 5. Multiply Fractions 3 with Circles

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

**first factor**      **second factor**

$\frac{7}{4} \times \frac{2}{1} = \frac{14}{4} =$

Write in fraction form and multiply.

Simplify.

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

**first factor**      **second factor**

$\frac{7}{4} \times \frac{3}{1} = \frac{21}{4} =$

Write in fraction form and multiply.

Simplify.

3.  $2 \frac{5}{16} \times 2 = 4 \frac{5}{8}$

**first factor**      **second factor**

$\frac{37}{16} \times \frac{2}{1} = \frac{74}{16} =$

Write in fraction form and multiply.

Simplify.

4.  $2 \frac{1}{4} \times 2 = 4 \frac{1}{2}$

**first factor**      **second factor**

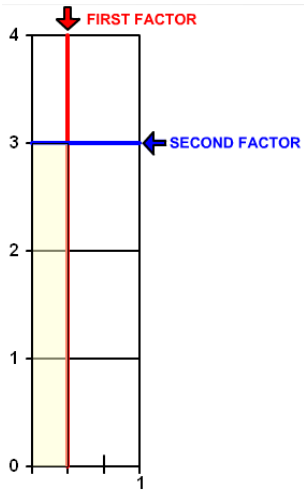
$\frac{9}{4} \times \frac{2}{1} = \frac{18}{4} =$

Write in fraction form and multiply.

Simplify.

# 6. Multiply Fractions 3 with Lines

1.

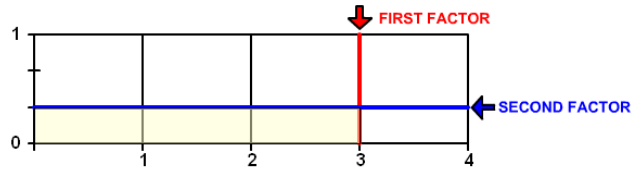


$$\frac{1}{3} \times 3 = \frac{1}{3} \times \frac{3}{1} = \frac{3}{3} = 1$$

Write in fraction form and multiply.

1  
Simplify.

2.

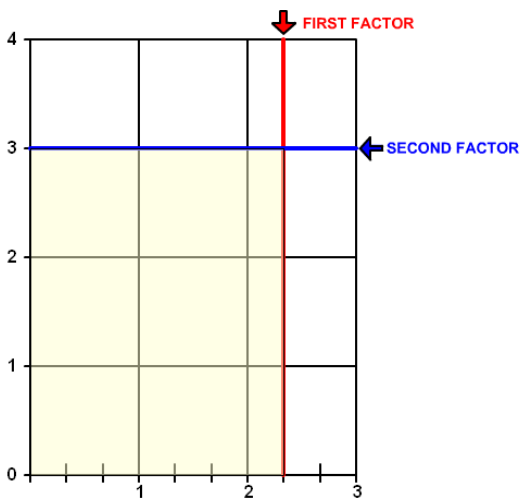


$$3 \times \frac{1}{3} = \frac{3}{1} \times \frac{1}{3} = \frac{3}{3} = 1$$

Write in fraction form and multiply.

1  
Simplify.

3.

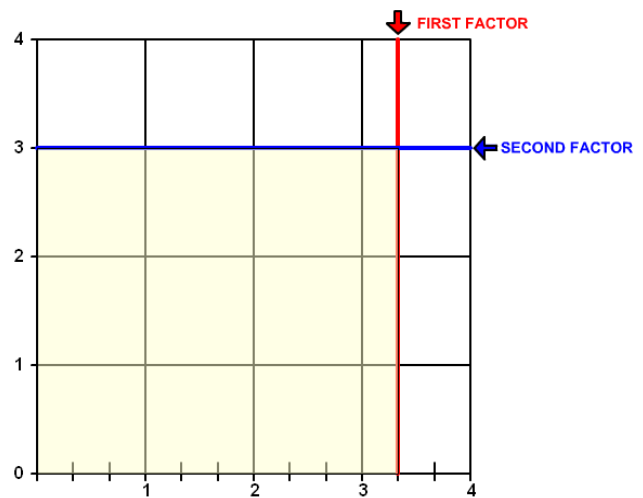


$$2 \frac{1}{3} \times 3 = \frac{7}{3} \times \frac{3}{1} = \frac{21}{3} = 7$$

Write in fraction form and multiply.

7  
Simplify.

4.



$$3 \frac{1}{3} \times 3 = \frac{10}{3} \times \frac{3}{1} = \frac{30}{3} = 10$$

Write in fraction form and multiply.

10  
Simplify.

## 7. Multiply 1 With Circles and Lines

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

**first factor**      **second factor**

$\frac{4}{3} \times \frac{2}{1} = \frac{8}{3} = 2 \frac{2}{3}$   
 Write in fraction form and multiply.

Simplify.

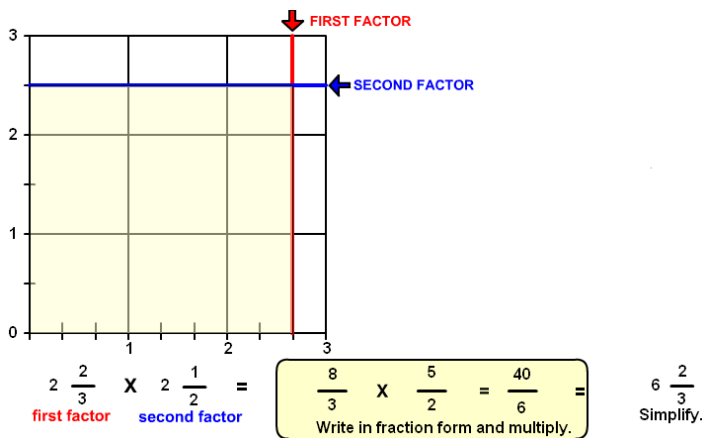
2.  $1 \frac{5}{6} \times 2 = 3 \frac{2}{3}$

**first factor**      **second factor**

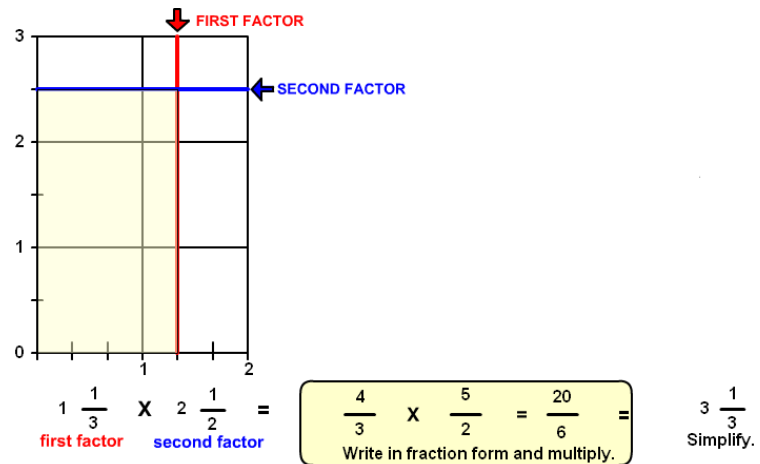
$\frac{11}{6} \times \frac{2}{1} = \frac{22}{6} = 3 \frac{2}{3}$   
 Write in fraction form and multiply.

Simplify.

3.



4.



## 8. Multiply 2 With Circles and Lines

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

**first factor**                      **second factor**

$\frac{11}{5} \times \frac{3}{1} = \frac{33}{5} =$

Write in fraction form and multiply.

$6 \frac{3}{5}$   
Simplify.

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

**first factor**                      **second factor**

$\frac{10}{3} \times \frac{3}{1} = \frac{30}{3} =$

Write in fraction form and multiply.

10  
Simplify.

3.

$3 \frac{1}{2} \times \frac{1}{4} =$

**first factor**                      **second factor**  
**(horizontal distance)**      **(vertical distance)**

$\frac{7}{2} \times \frac{1}{4} = \frac{7}{8} =$

Write in fraction form and multiply.

$\frac{7}{8}$   
Simplify.

4.

$3 \frac{1}{2} \times \frac{3}{4} =$

**first factor**                      **second factor**  
**(horizontal distance)**      **(vertical distance)**

$\frac{7}{2} \times \frac{3}{4} = \frac{21}{8} =$

Write in fraction form and multiply.

$2 \frac{5}{8}$   
Simplify.



## 9. Multiply Practice

1.  $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$

2.  $\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$

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

4.  $1 \frac{1}{2} \times 1 = 1 \frac{1}{2}$

5.  $1 \frac{1}{2} \times 1 \frac{1}{2} = \frac{3}{2} \times \frac{3}{2} = \frac{9}{4} = 2 \frac{1}{4}$

6.  $1 \frac{1}{2} \times 2 = \frac{3}{2} \times \frac{2}{1} = \frac{6}{2} = 3$

7.  $1 \frac{1}{2} \times 2 \frac{1}{2} = \frac{3}{2} \times \frac{5}{2} = \frac{15}{4} = 3 \frac{3}{4}$

8.  $2 \frac{2}{3} \times 3 \frac{1}{2} = \frac{8}{3} \times \frac{7}{2} = \frac{56}{6} = 9 \frac{1}{3}$

9.  $1 \frac{1}{3} \times 3 \frac{1}{2} = \frac{4}{3} \times \frac{7}{2} = \frac{28}{6} = 4 \frac{2}{3}$

10.  $\frac{1}{3} \times 3 \frac{1}{2} = \frac{1}{3} \times \frac{7}{2} = \frac{7}{6} = 1 \frac{1}{6}$