



# Multiplying Fractions by Whole Numbers (visual)

Name: \_\_\_\_\_

Use the visual model to solve each problem.

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

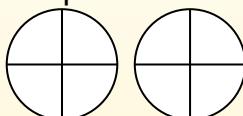
To solve multiplication problems with fractions one strategy is to think of them as addition problems.

For example the problem above is the same as:

$$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$$

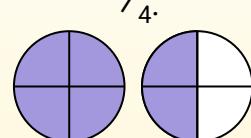
$$\frac{2}{4} \times 3 =$$

If we shade in  $\frac{2}{4}$  on the fractions below 3 times we can see a visual representation of the problem.



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

After shading it in we can see why  $\frac{2}{4}$  three times is equal to 1 whole and  $\frac{2}{4}$ .

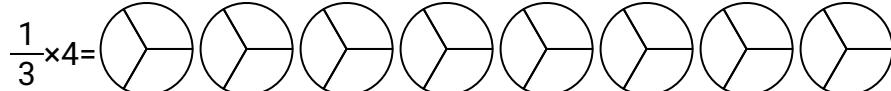


1)  $\frac{8}{12} \times 5 =$  

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

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

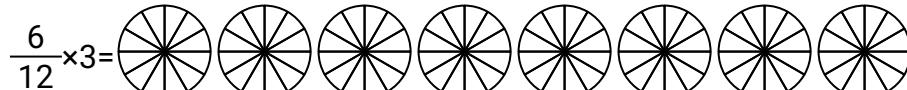
4)  $\frac{1}{3} \times 5 =$  

5)  $\frac{1}{3} \times 4 =$  

6)  $\frac{2}{4} \times 7 =$  

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

8)  $\frac{1}{5} \times 5 =$  

9)  $\frac{6}{12} \times 3 =$  

10)  $\frac{2}{4} \times 6 =$  

11)  $\frac{6}{8} \times 7 =$  

## Answers

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_



# Multiplying Fractions by Whole Numbers (visual)

Name: **Answer Key**

Use the visual model to solve each problem.

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

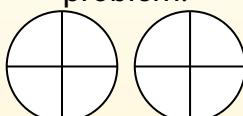
To solve multiplication problems with fractions one strategy is to think of them as addition problems.

For example the problem above is the same as:

$$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$$

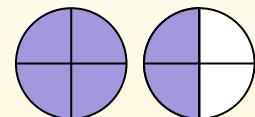
$$\frac{2}{4} \times 3 =$$

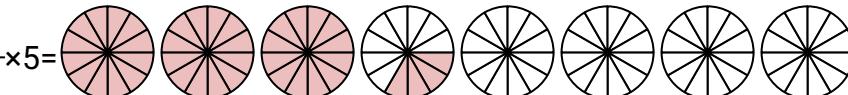
If we shade in  $\frac{2}{4}$  on the fractions below 3 times we can see a visual representation of the problem.

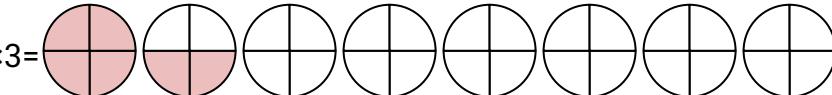


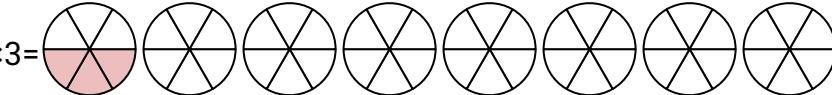
$$\frac{2}{4} \times 3 = 1 \frac{2}{4}$$

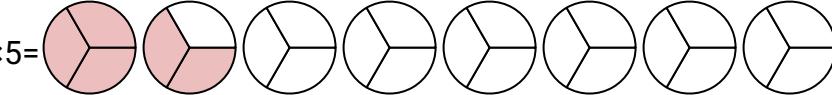
After shading it in we can see why  $\frac{2}{4}$  three times is equal to 1 whole and  $\frac{2}{4}$ .

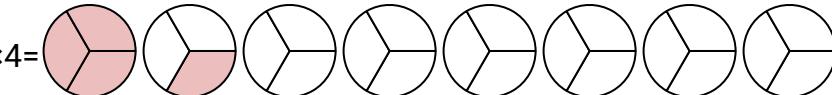


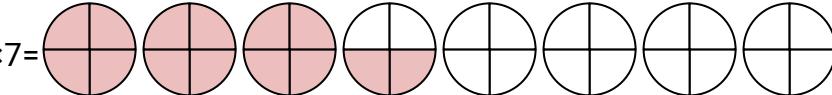
1)  $\frac{8}{12} \times 5 =$  

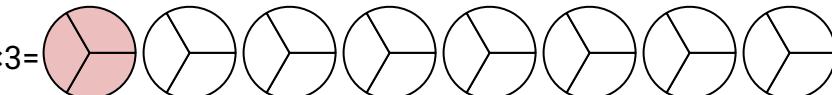
2)  $\frac{2}{4} \times 3 =$  

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

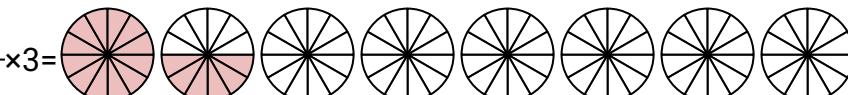
4)  $\frac{1}{3} \times 5 =$  

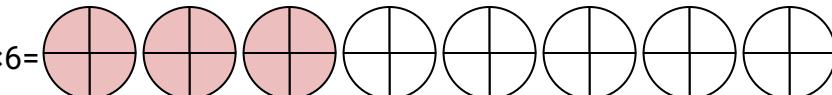
5)  $\frac{1}{3} \times 4 =$  

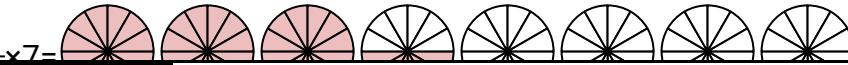
6)  $\frac{2}{4} \times 7 =$  

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

8)  $\frac{1}{5} \times 5 =$  

9)  $\frac{6}{12} \times 3 =$  

10)  $\frac{2}{4} \times 6 =$  

11)  $\frac{6}{12} \times 7 =$  

## Answers

1.  $3 \frac{4}{12}$

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

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

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

5.  $1 \frac{1}{3}$

6.  $3 \frac{2}{4}$

7.  $1 \frac{0}{3}$

8.  $1 \frac{0}{5}$

9.  $1 \frac{6}{12}$

10.  $3 \frac{0}{4}$

11.  $3 \frac{6}{12}$