



Multiplying Fractions by Whole Numbers (visual)

Name: _____

Use the visual model to solve each problem.

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

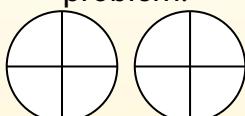
To solve multiplication problems with fractions one strategy is to think of them as addition problems.

For example the problem above is the same as:

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

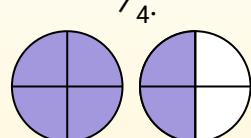
$$\frac{2}{4} \times 3 =$$

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) $\frac{3}{4} \times 6 =$

2) $\frac{6}{10} \times 7 =$

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

4) $\frac{8}{12} \times 3 =$

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

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

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

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

9) $\frac{5}{10} \times 5 =$

10) $\frac{7}{10} \times 7 =$

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

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.

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

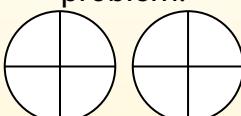
To solve multiplication problems with fractions one strategy is to think of them as addition problems.

For example the problem above is the same as:

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

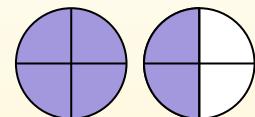
$$\frac{2}{4} \times 3 =$$

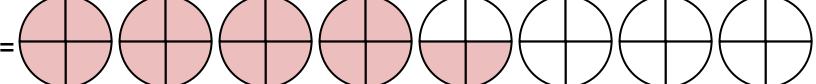
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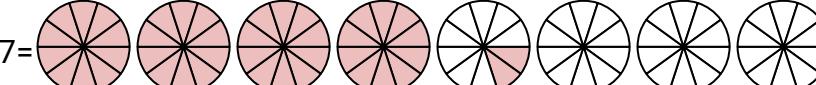


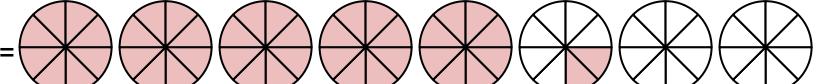
$$\frac{2}{4} \times 3 = 1 \frac{2}{4}$$

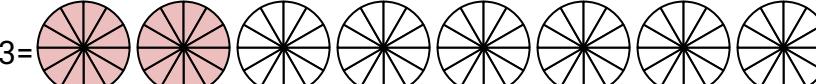
After shading it in we can see why $\frac{2}{4}$ three times is equal to 1 whole and $\frac{2}{4}$.

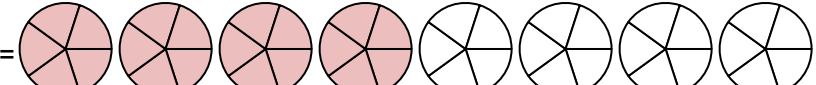


1) $\frac{3}{4} \times 6 =$ 

2) $\frac{6}{10} \times 7 =$ 

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

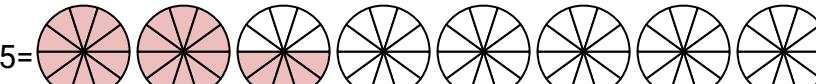
4) $\frac{8}{12} \times 3 =$ 

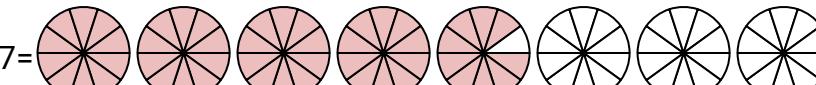
5) $\frac{4}{5} \times 5 =$ 

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

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

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

9) $\frac{5}{10} \times 5 =$ 

10) $\frac{7}{10} \times 7 =$ 

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

Answers

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

2. $4 \frac{2}{10}$

3. $5 \frac{2}{8}$

4. $2 \frac{0}{12}$

5. $4 \frac{0}{5}$

6. $1 \frac{0}{6}$

7. $2 \frac{0}{6}$

8. $1 \frac{3}{4}$

9. $2 \frac{5}{10}$

10. $4 \frac{9}{10}$

11. $2 \frac{0}{6}$