Multiplying Fractions by Whole Numbers (visual)

Name:

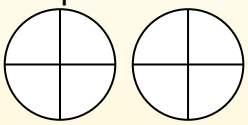
Use the visual model to solve each problem.

$^2/_4 \times 3 =$

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:
$^2/_4 + {}^2/_4 + {}^2/_4$

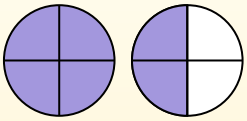
$^2/_4 \times 3 =$

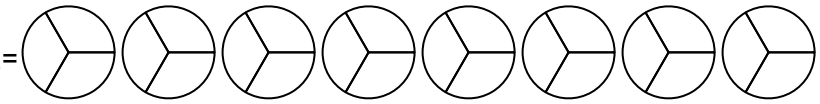
If we shade in 2/4 on the fractions below 3 times we can see a visual representation of the problem.

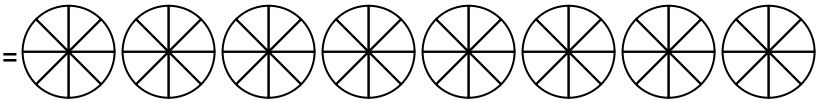


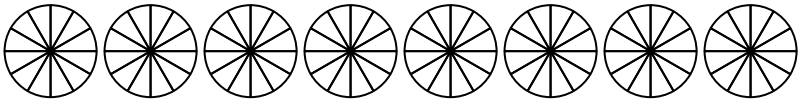
$^2/_4 \times 3 = 1\ {}^2/_4$

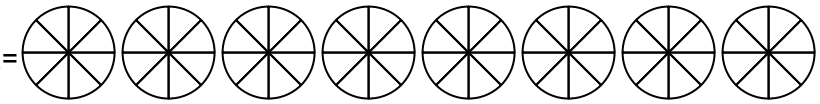
After shading it in we can see why 2/4 three times is equal to 1 whole and $^2/_4$.

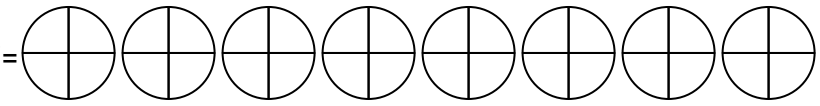


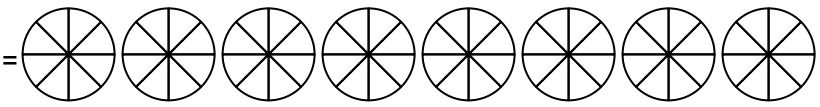
1) $\frac{2}{3} \times 2 =$ 

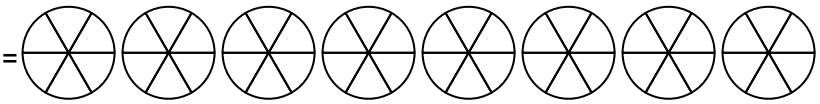
2) $\frac{2}{8} \times 3 =$ 

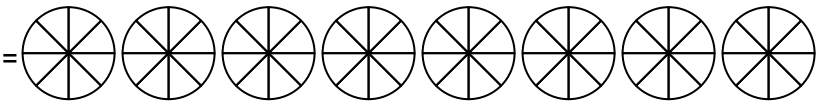
3) $\frac{2}{12} \times 7 =$ 

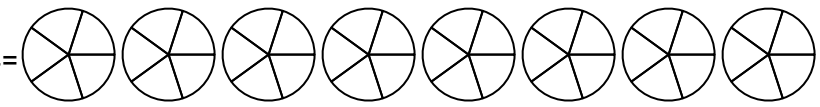
4) $\frac{5}{8} \times 2 =$ 

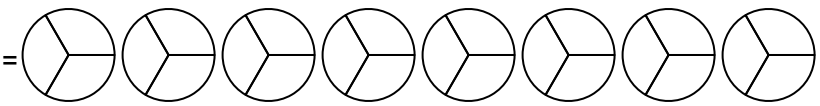
5) $\frac{1}{4} \times 7 =$ 

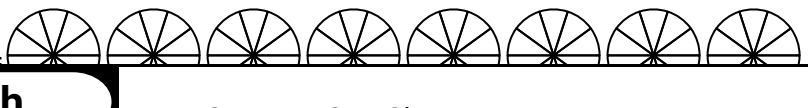
6) $\frac{7}{8} \times 6 =$ 

7) $\frac{5}{6} \times 5 =$ 

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

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

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

11) $\frac{4}{\quad} \times 7 =$ 

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

1-10	91	82	73	64	55	45	36	27	18	9
11	0									

Multiplying Fractions by Whole Numbers (visual)

Name: **Answer Key**

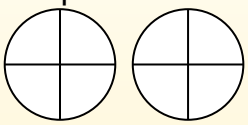
Use the visual model to solve each problem.

$^2/_4 \times 3 =$

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:
$^2/_4 + {}^2/_4 + {}^2/_4$

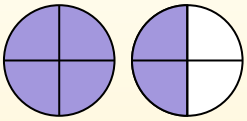
$^2/_4 \times 3 =$

If we shade in 2/4 on the fractions below 3 times we can see a visual representation of the problem.

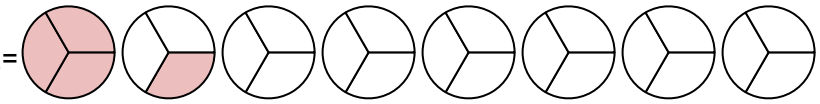


$^2/_4 \times 3 = 1\ {}^2/_4$

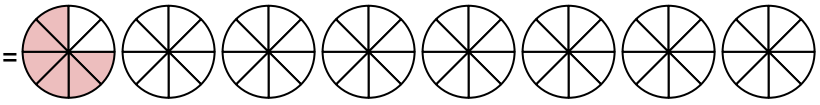
After shading it in we can see why 2/4 three times is equal to 1 whole and $^2/_4$.



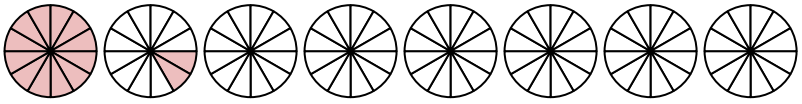
1) $\frac{2}{3} \times 2 =$



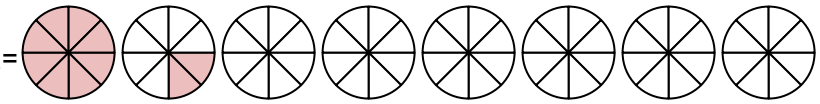
2) $\frac{2}{8} \times 3 =$



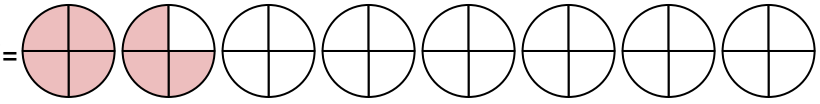
3) $\frac{2}{12} \times 7 =$



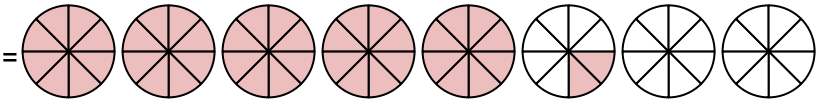
4) $\frac{5}{8} \times 2 =$



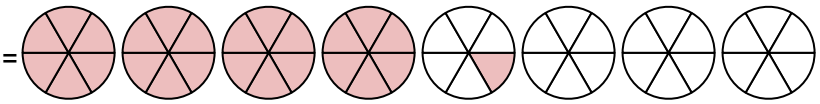
5) $\frac{1}{4} \times 7 =$



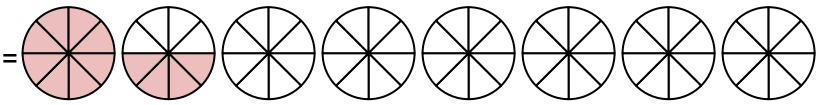
6) $\frac{7}{8} \times 6 =$



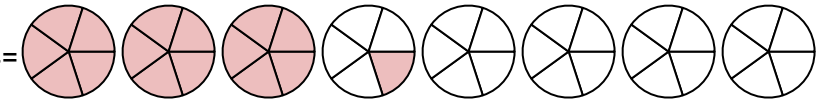
7) $\frac{5}{6} \times 5 =$



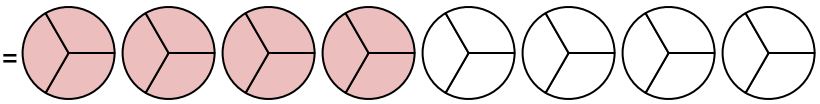
8) $\frac{4}{8} \times 3 =$



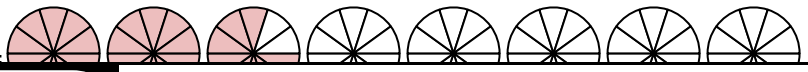
9) $\frac{4}{5} \times 4 =$



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



11) $\frac{4}{\ } \times 7 =$



Answers

1. $1\frac{1}{3}$
2. $\frac{6}{8}$
3. $1\frac{2}{12}$
4. $1\frac{2}{8}$
5. $1\frac{3}{4}$
6. $5\frac{2}{8}$
7. $4\frac{1}{6}$
8. $1\frac{4}{8}$
9. $3\frac{1}{5}$
10. $4\frac{0}{3}$
11. $2\frac{8}{10}$

1-10	91	82	73	64	55	45	36	27	18	9
11	0									