Multiplying Fractions by Whole Numbers (visual)

Name:

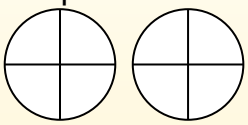
Use the visual model to solve each problem.

$^2/_4 \times 3 =$

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

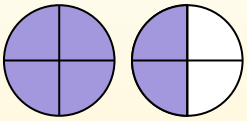
$^2/_4 \times 3 =$

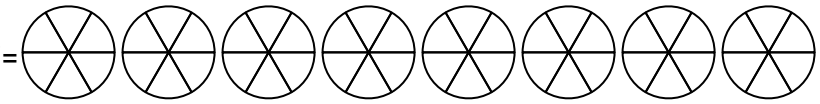
If we shade in 2/4 on the fractions below 3 times we can see a visual representation of the problem.

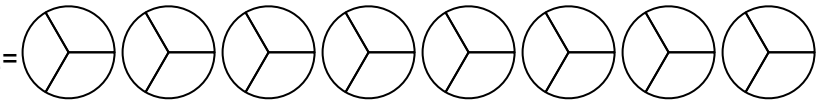


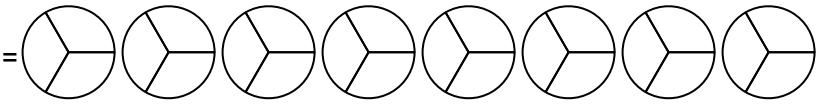
$^2/_4 \times 3 = 1\ {}^2/_4$

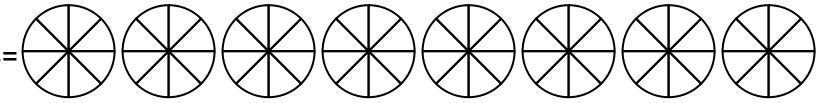
After shading it in we can see why 2/4 three times is equal to 1 whole and $^2/_4$.

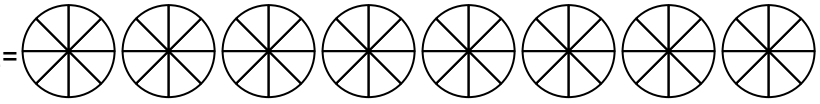


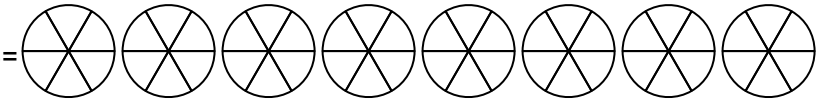
1) $\frac{4}{6} \times 7 =$ 

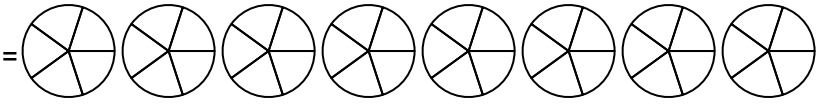
2) $\frac{2}{3} \times 2 =$ 

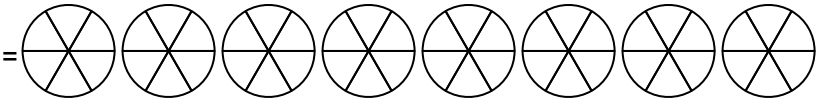
3) $\frac{1}{3} \times 7 =$ 

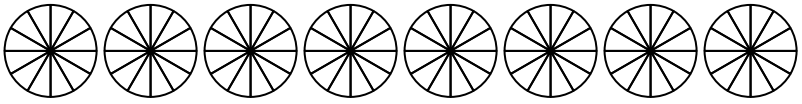
4) $\frac{2}{8} \times 4 =$ 

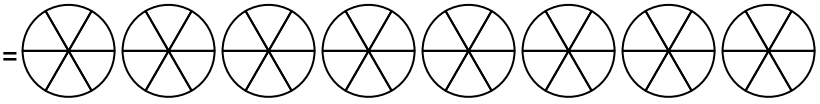
5) $\frac{1}{8} \times 2 =$ 

6) $\frac{1}{6} \times 5 =$ 

7) $\frac{2}{5} \times 6 =$ 

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

9) $\frac{6}{12} \times 4 =$ 

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

Answers

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

1-10	90	80	70	60	50	40	30	20	10	0

Multiplying Fractions by Whole Numbers (visual)

Name: **Answer Key**

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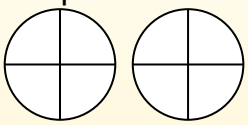

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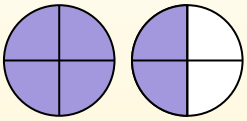
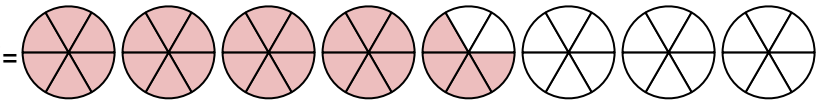
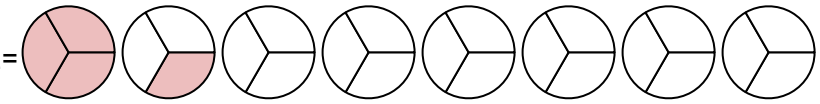
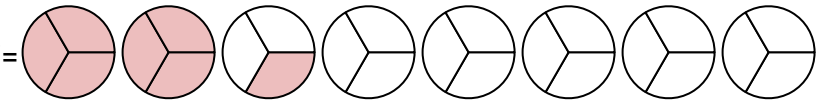
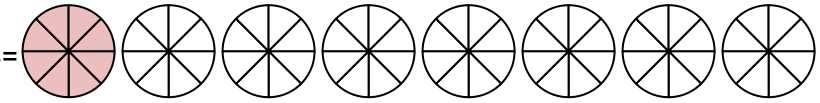
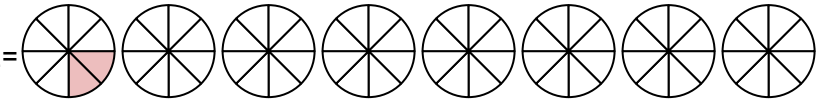


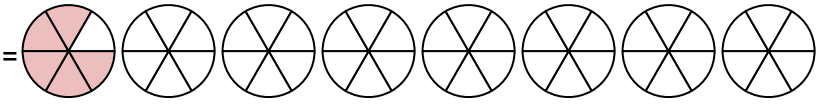
1) $\frac{4}{6} \times 7 =$ 

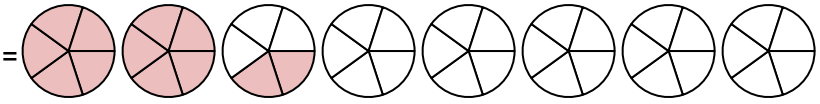
2) $\frac{2}{3} \times 2 =$ 

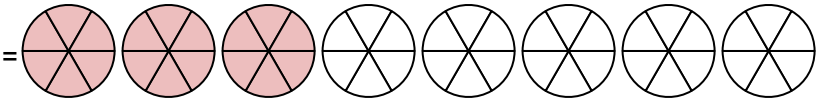
3) $\frac{1}{3} \times 7 =$ 

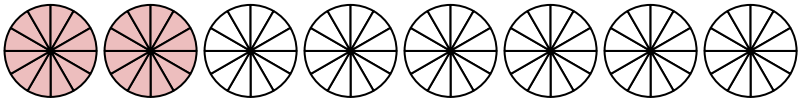
4) $\frac{2}{8} \times 4 =$ 

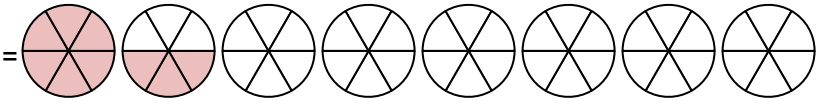
5) $\frac{1}{8} \times 2 =$ 

6) $\frac{1}{6} \times 5 =$ 

7) $\frac{2}{5} \times 6 =$ 

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

9) $\frac{6}{12} \times 4 =$ 

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

Answers

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

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