Multiplying Fractions by Whole Numbers (visual)

Name:

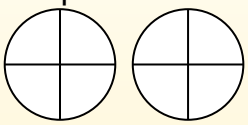
Use the visual model to solve each problem.

$^2/_4 \times 3 =$

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

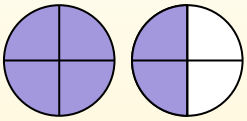
$^2/_4 \times 3 =$

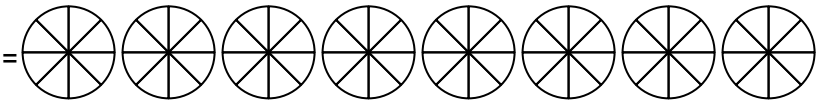
If we shade in 2/4 on the fractions below 3 times we can see a visual representation of the problem.

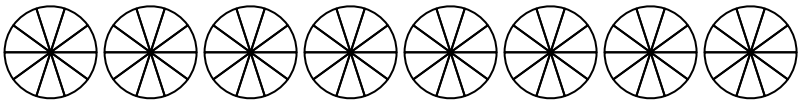


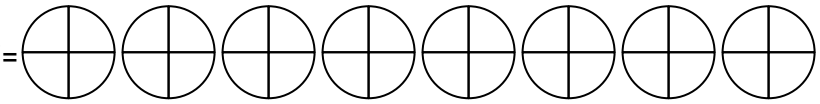
$^2/_4 \times 3 = 1\,{}^2/_4$

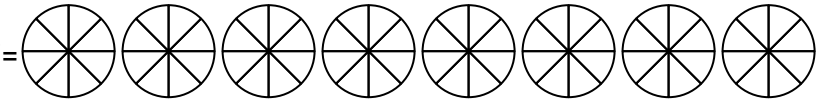
After shading it in we can see why 2/4 three times is equal to 1 whole and $^2/_4$.

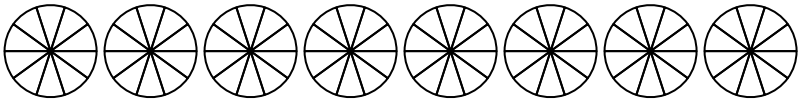


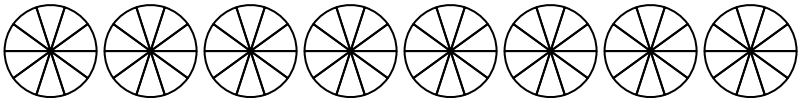
1) $\frac{3}{8} \times 3 =$ 

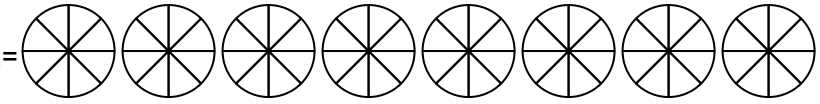
2) $\frac{8}{10} \times 7 =$ 

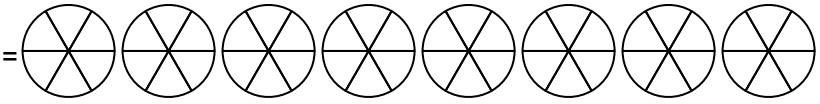
3) $\frac{2}{4} \times 7 =$ 

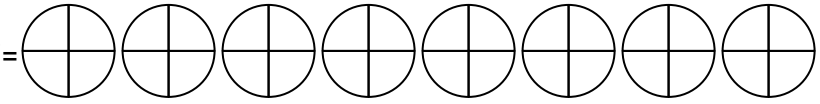
4) $\frac{3}{8} \times 7 =$ 

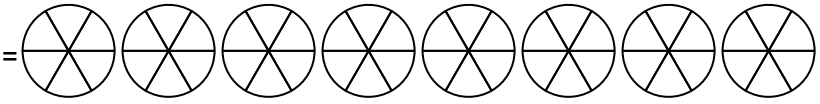
5) $\frac{1}{10} \times 3 =$ 

6) $\frac{8}{10} \times 5 =$ 

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

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

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

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

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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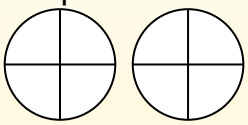

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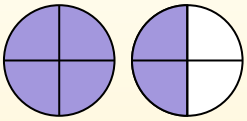

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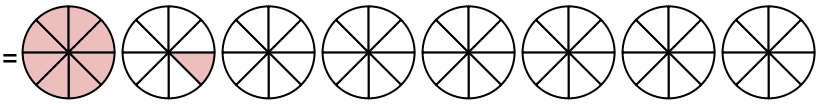
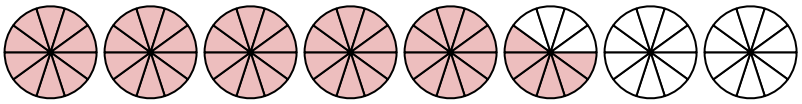


2) $\frac{8}{10} \times 7 =$



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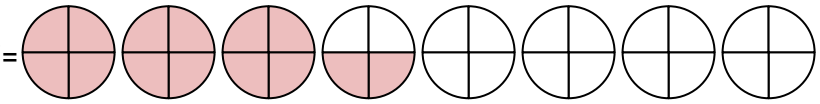

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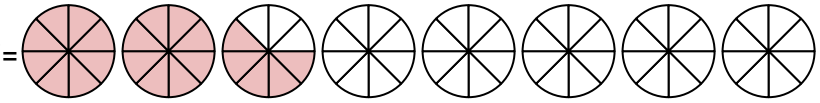

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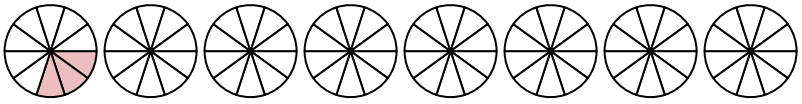
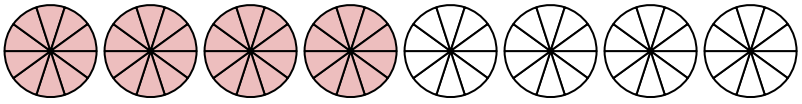
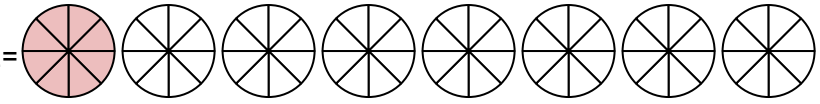


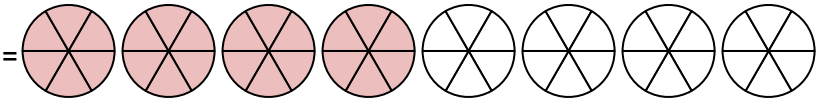
6) $\frac{8}{10} \times 5 =$



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



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



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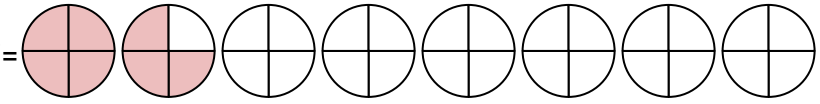

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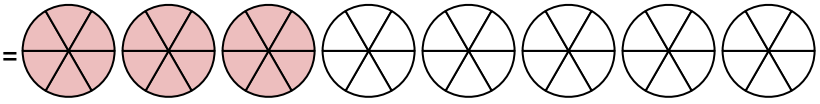

Answers

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

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