Multiplying Fractions by Whole Numbers (visual)

Name:

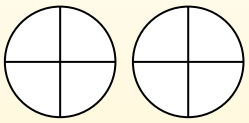
Use the visual model to solve each problem.

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

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

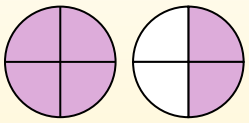
$\frac{2}{4} \times 3 =$

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

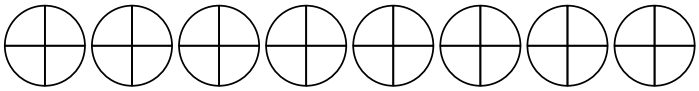


$\frac{2}{4} \times 3 = 1\frac{2}{4}$

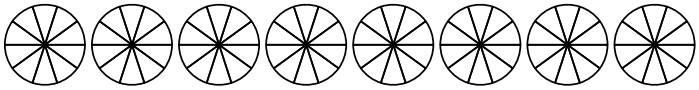
After shading it in we can see why 2/4 three times is equal to 1 whole and $\frac{2}{4}$.



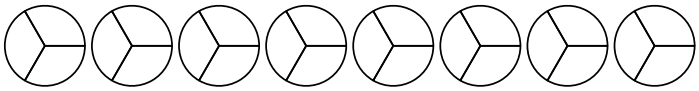
1) $\frac{1}{4} \times 6 =$



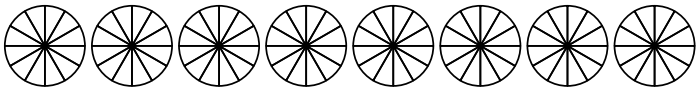
2) $\frac{7}{10} \times 3 =$



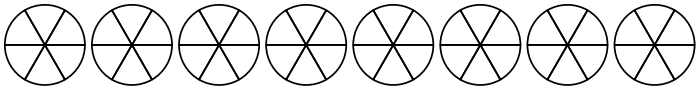
3) $\frac{1}{3} \times 4 =$



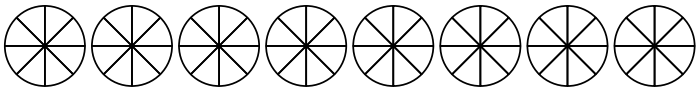
4) $\frac{8}{12} \times 4 =$



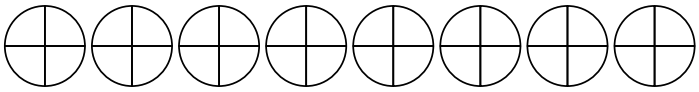
5) $\frac{1}{6} \times 6 =$



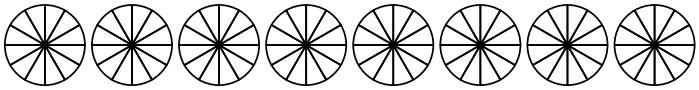
6) $\frac{3}{8} \times 3 =$



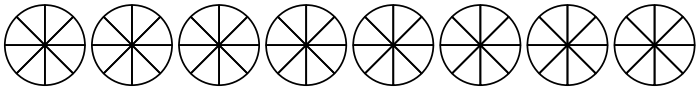
7) $\frac{1}{4} \times 3 =$



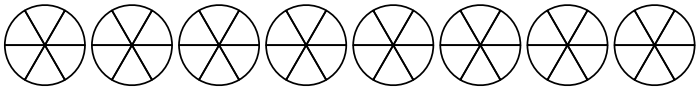
8) $\frac{7}{12} \times 7 =$



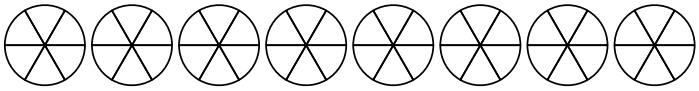
9) $\frac{7}{8} \times 2 =$



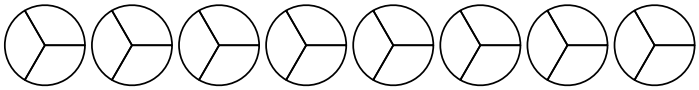
10) $\frac{2}{6} \times 3 =$



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



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



Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

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

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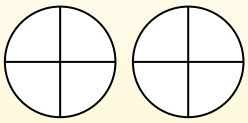
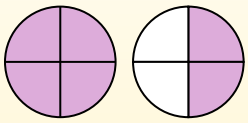


$\frac{2}{4} \times 3 = 1\frac{2}{4}$

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



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

2) $\frac{7}{10} \times 3 =$

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

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

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

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

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

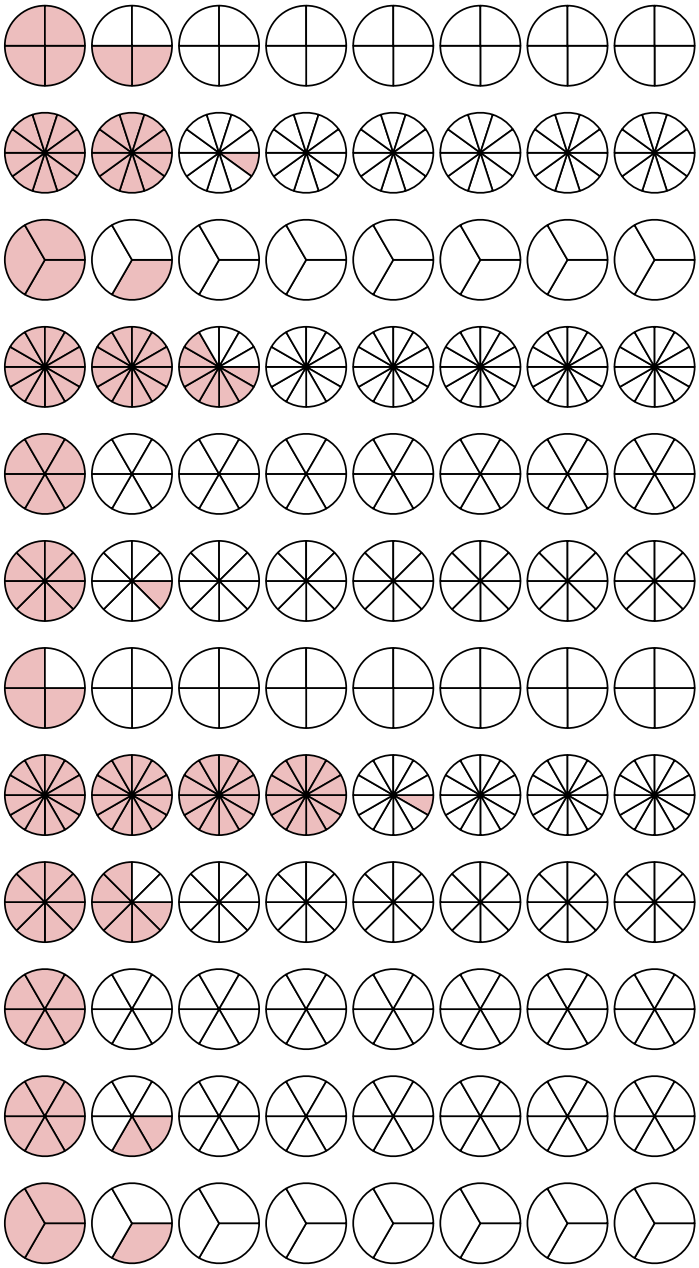
8) $\frac{7}{12} \times 7 =$

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

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

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

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



Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								