Multiplying Fractions by Whole Numbers (visual)

Name:

Use the visual model to solve each problem.
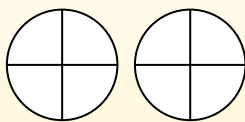
$\frac{2}{4} \times 3 =$

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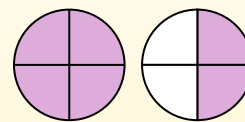
$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

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

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) $\frac{3}{5} \times 2 =$

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

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

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

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

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

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

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

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

10) $\frac{4}{6} \times 5 =$

11) $\frac{4}{10} \times 5 =$

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

Answers

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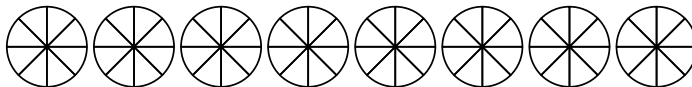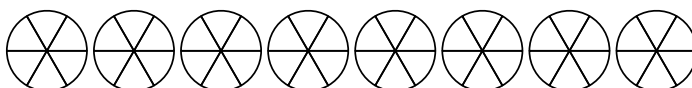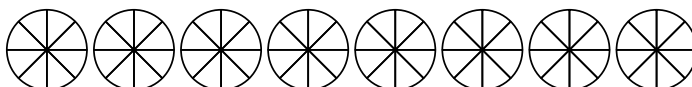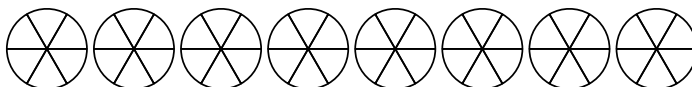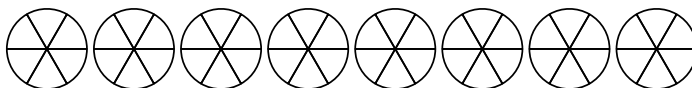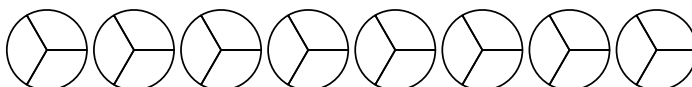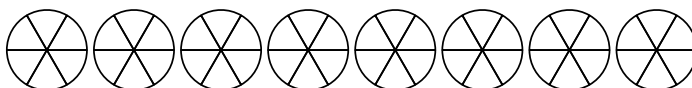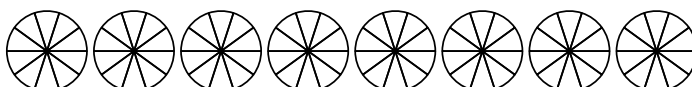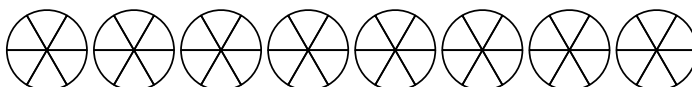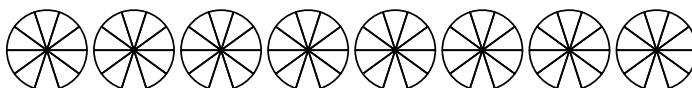2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Math

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| 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:

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

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

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 $\frac{2}{4}$.

Answers

1) $\frac{3}{5} \times 2 =$

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

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

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

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

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

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

8) $\frac{3}{6} \times 7 =$
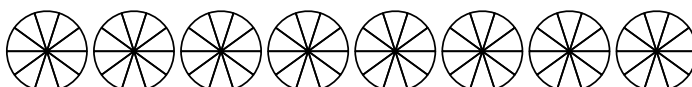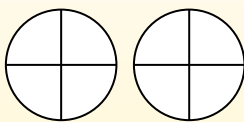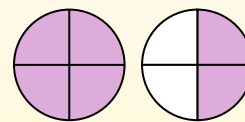
9) $\frac{6}{10} \times 5 =$

10) $\frac{4}{6} \times 5 =$

11) $\frac{4}{10} \times 5 =$

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

1. $1\frac{1}{5}$

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

3. $0\frac{3}{6}$

4. $3\frac{6}{8}$
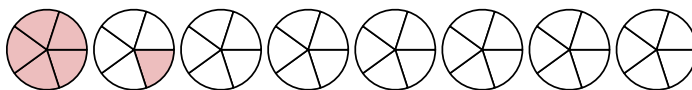
5. 1

6. 3

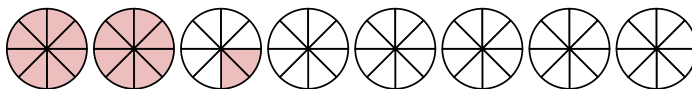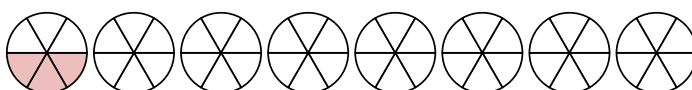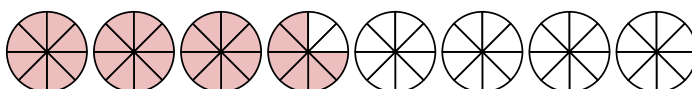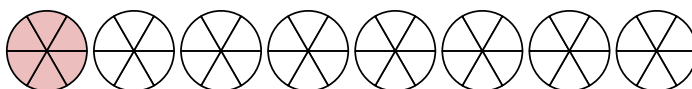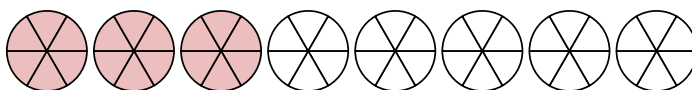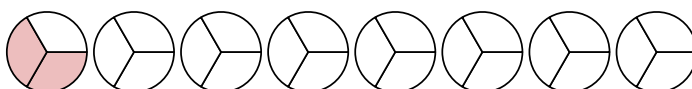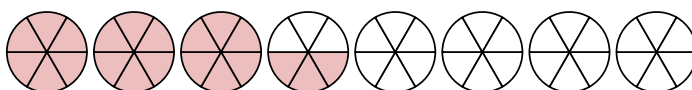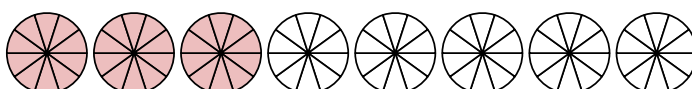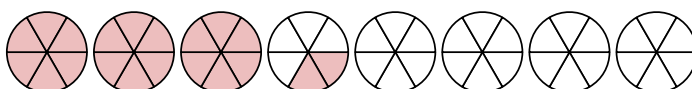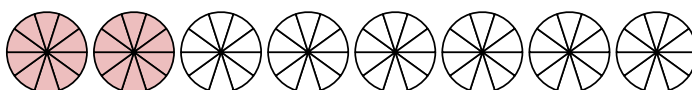7. $0\frac{2}{3}$

8. $3\frac{3}{6}$

9. 3

10. $3\frac{2}{6}$

11. 2

12. $0\frac{5}{10}$

Math

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