Multiplying Fractions by Whole Numbers (visual)

Name:

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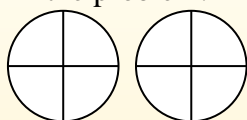
$\frac{2}{4} \times 3 =$

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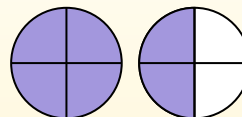
$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

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

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. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

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

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

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

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

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

6) $\frac{5}{12} \times 3 =$

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

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

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

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

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

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

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

Use the visual model to solve each problem.

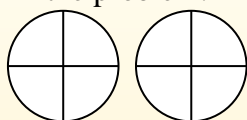**Answers**

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

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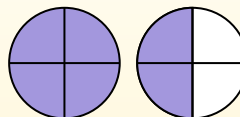$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

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

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. $2\frac{5}{10}$

2. $1\frac{1}{5}$

3. $1\frac{0}{8}$

4. $1\frac{2}{6}$

5. $2\frac{2}{5}$

6. $1\frac{3}{12}$

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

8. $4\frac{4}{8}$

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

10. $2\frac{1}{4}$

11. $2\frac{2}{4}$

12. $1\frac{5}{10}$

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

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

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

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

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

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

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

Math

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