Multiplying Fractions by Whole Numbers (visual)

Name: _____

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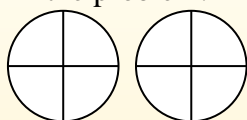
$\frac{2}{4} \times 3 =$

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:

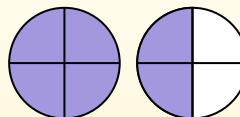$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

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

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

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

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

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

5) $\frac{3}{4} \times 6 =$

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

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

8) $\frac{11}{12} \times 7 =$

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

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

11) $\frac{11}{12} \times 2 =$

12) $\frac{7}{12} \times 3 =$

Math

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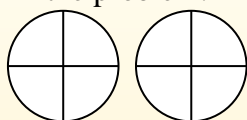
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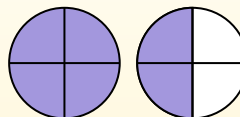
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After shading it in we can see why 2/4 three times is equal to 1 whole and $\frac{2}{4}$.

Answers

1. $1\frac{2}{3}$

2. $4\frac{0}{3}$

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

4. $1\frac{6}{10}$

5. $4\frac{2}{4}$

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

7. $1\frac{2}{4}$

8. $6\frac{5}{12}$

9. $5\frac{1}{4}$

10. $2\frac{0}{8}$

11. $1\frac{10}{12}$

12. $1\frac{9}{12}$

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

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

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Math

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