Multiplying Fractions by Whole Numbers (visual)

Name: _____

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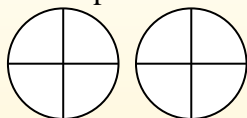
$\frac{2}{4} \times 3 =$

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:

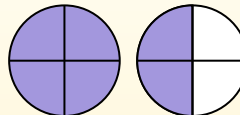$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

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

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) $\dfrac{2}{8} \times 3 =$

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

3) $\dfrac{4}{12} \times 2 =$

4) $\dfrac{3}{10} \times 7 =$

5) $\dfrac{2}{3} \times 7 =$

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

7) $\dfrac{1}{6} \times 3 =$

8) $\dfrac{3}{10} \times 5 =$

9) $\dfrac{5}{8} \times 3 =$

10) $\dfrac{1}{4} \times 2 =$

11) $\dfrac{1}{3} \times 7 =$

12) $\dfrac{8}{10} \times 5 =$

Math

www.CommonCoreSheets.com

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

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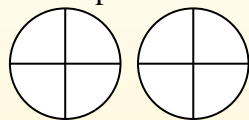
$\frac{2}{4} \times 3 =$

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:

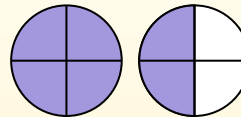$\frac{2}{4} + \frac{2}{4} + \frac{2}{4}$

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

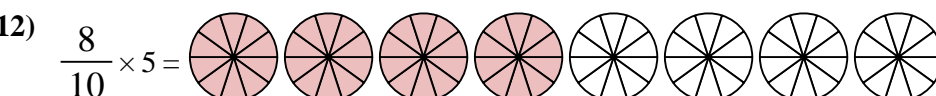If we shade in 2/4 on the fractions below 3 times we can see a visual representation of the problem.

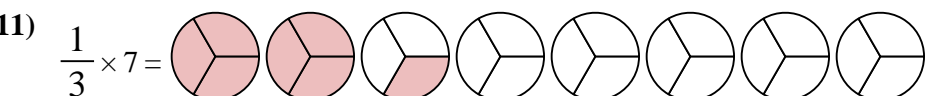$\frac{2}{4} \times 3 = 1\frac{2}{4}$
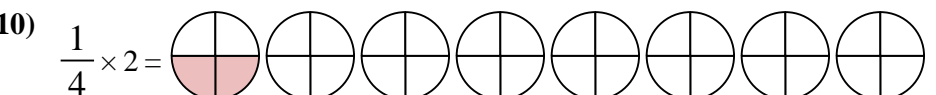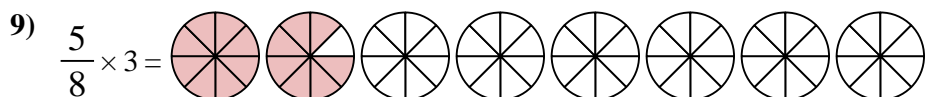
After shading it in we can see why 2/4 three times is equal to 1 whole and $\frac{2}{4}$.

Answers
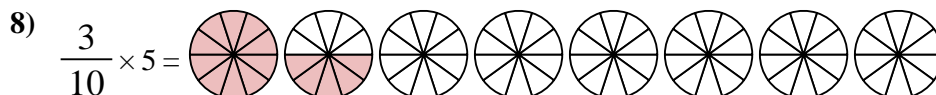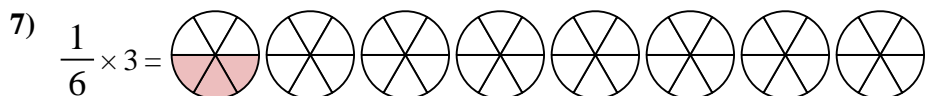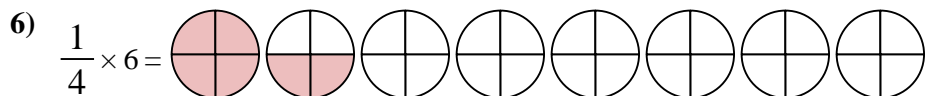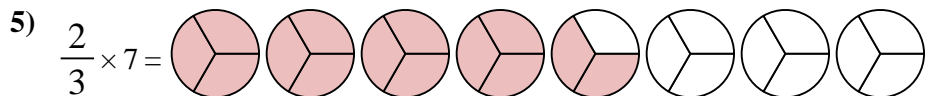
1. $\frac{6}{8}$

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

3. $\frac{8}{12}$

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

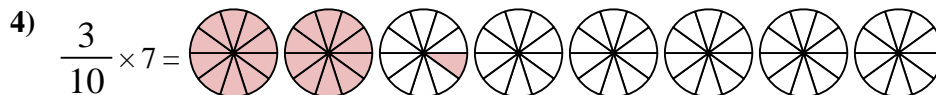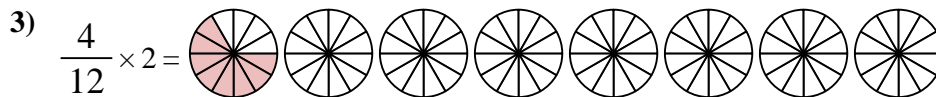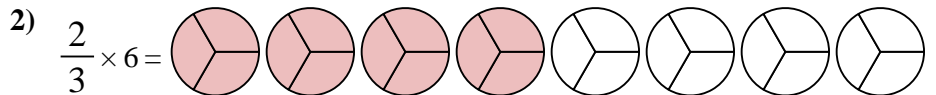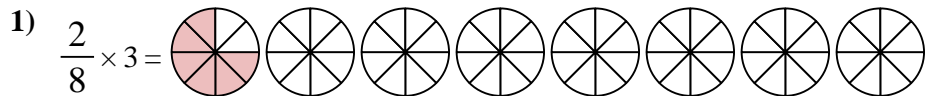5. $4\frac{2}{3}$

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

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

8. $1\frac{5}{10}$

9. $1\frac{7}{8}$

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

11. $2\frac{1}{3}$

12. $4\frac{0}{10}$

1) $\dfrac{2}{8} \times 3 =$

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