Multiplying Fractions by Whole Numbers (visual)

Name:

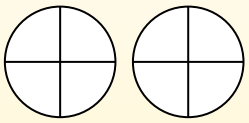
Use the visual model to solve each problem.

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

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

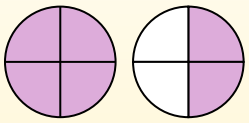
$\frac{2}{4} \times 3 =$

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

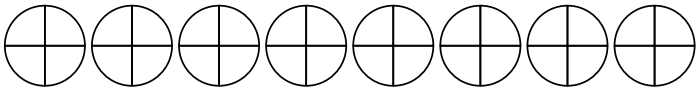


$\frac{2}{4} \times 3 = 1\frac{2}{4}$

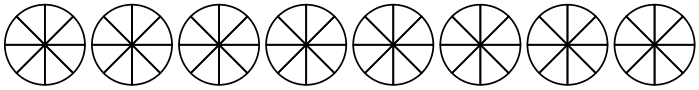
After shading it in we can see why 2/4 three times is equal to 1 whole and $\frac{2}{4}$.



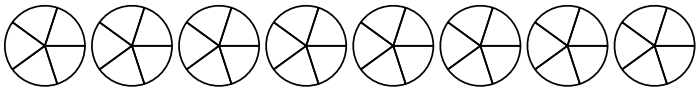
1) $\frac{1}{4} \times 7 =$



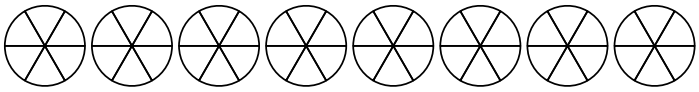
2) $\frac{6}{8} \times 6 =$



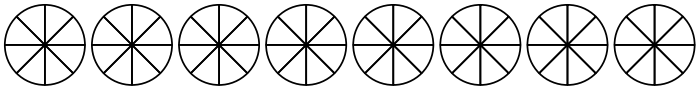
3) $\frac{1}{5} \times 2 =$



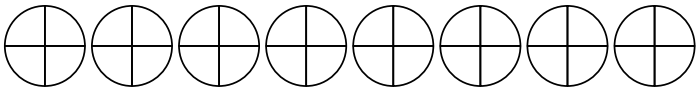
4) $\frac{2}{6} \times 5 =$



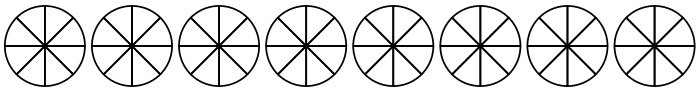
5) $\frac{1}{8} \times 7 =$



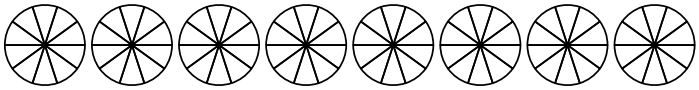
6) $\frac{2}{4} \times 6 =$



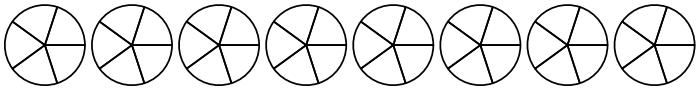
7) $\frac{3}{8} \times 7 =$



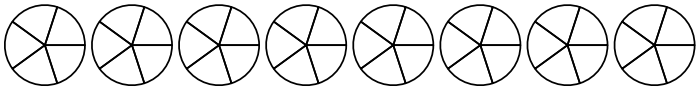
8) $\frac{3}{10} \times 6 =$



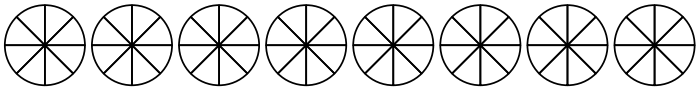
9) $\frac{3}{5} \times 6 =$



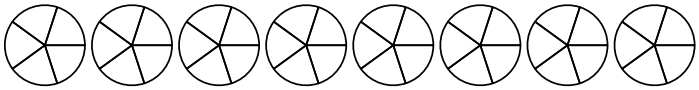
10) $\frac{4}{5} \times 6 =$



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



12) $\frac{1}{5} \times 7 =$



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.

$^{2}/_{4} \times 3 =$

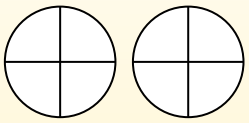
To solve multiplication problems with fractions one strategy is to think of them as addition problems.

For example the problem above is the same as:

$^{2}/_{4} + {}^{2}/_{4} + {}^{2}/_{4}$

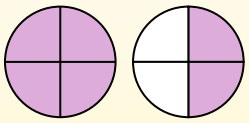
$^{2}/_{4} \times 3 =$

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



$^{2}/_{4} \times 3 = 1\,{}^{2}/_{4}$

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



1) $^{1}/_{4} \times 7 =$

2) $^{6}/_{8} \times 6 =$

3) $^{1}/_{5} \times 2 =$

4) $^{2}/_{6} \times 5 =$

5) $^{1}/_{8} \times 7 =$

6) $^{2}/_{4} \times 6 =$

7) $^{3}/_{8} \times 7 =$

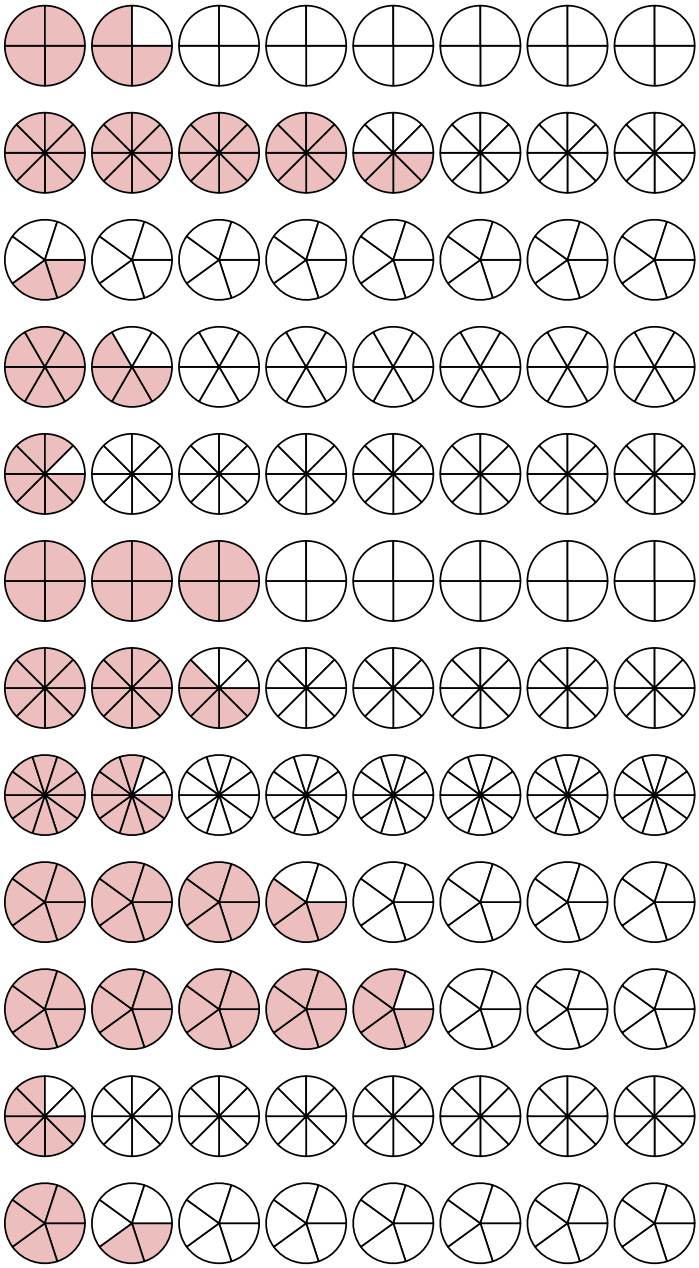
8) $^{3}/_{10} \times 6 =$

9) $^{3}/_{5} \times 6 =$

10) $^{4}/_{5} \times 6 =$

11) $^{3}/_{8} \times 2 =$

12) $^{1}/_{5} \times 7 =$



Answers

1. $1\,{}^{3}/_{4}$
2. $4\,{}^{4}/_{8}$
3. $0\,{}^{2}/_{5}$
4. $1\,{}^{4}/_{6}$
5. $0\,{}^{7}/_{8}$
6. 3
7. $2\,{}^{5}/_{8}$
8. $1\,{}^{8}/_{10}$
9. $3\,{}^{3}/_{5}$
10. $4\,{}^{4}/_{5}$
11. $0\,{}^{6}/_{8}$
12. $1\,{}^{2}/_{5}$

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