Multiplying Fractions by Whole Numbers (visual)

Name:

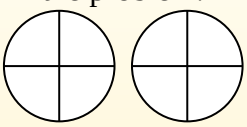
Use the visual model to solve each problem.

$^2/_4 \times 3 =$

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:
$^2/_4 + {}^2/_4 + {}^2/_4$

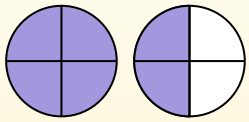
$^2/_4 \times 3 =$

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

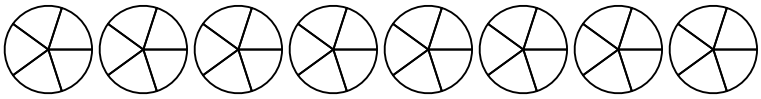


$^2/_4 \times 3 = 1\,{}^2/_4$

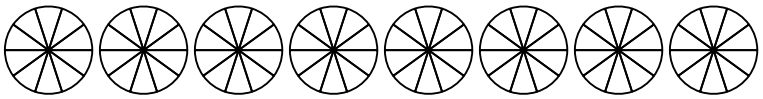
After shading it in we can see why 2/4 three times is equal to 1 whole and $^2/_4$.



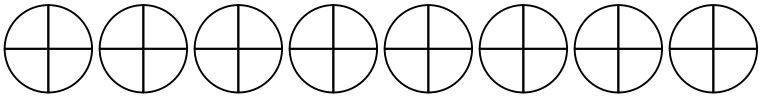
1) $\frac{4}{5} \times 4 =$



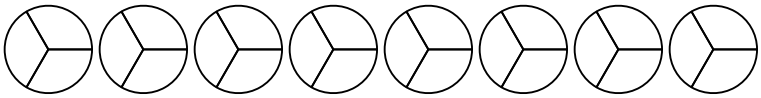
2) $\frac{1}{10} \times 3 =$



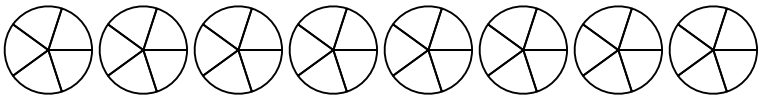
3) $\frac{3}{4} \times 5 =$



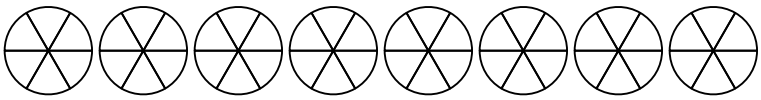
4) $\frac{1}{3} \times 2 =$



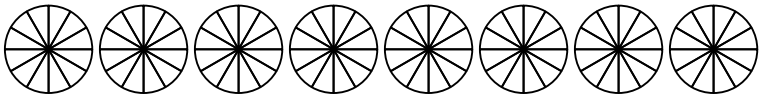
5) $\frac{2}{5} \times 5 =$



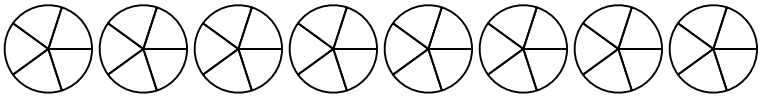
6) $\frac{4}{6} \times 3 =$



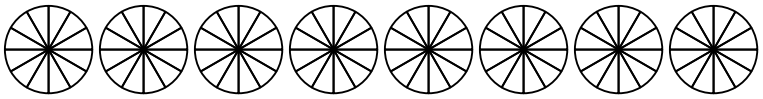
7) $\frac{4}{12} \times 3 =$



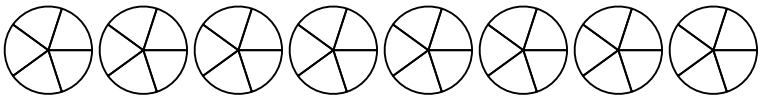
8) $\frac{3}{5} \times 2 =$



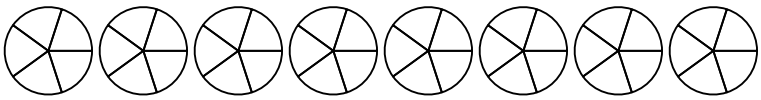
9) $\frac{10}{12} \times 2 =$



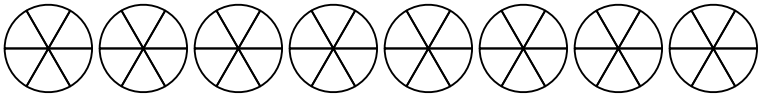
10) $\frac{4}{5} \times 6 =$



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



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



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**

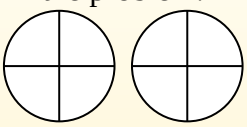
Use the visual model to solve each problem.

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

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

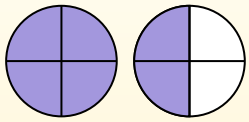
$^{2}/_{4} \times 3 =$

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

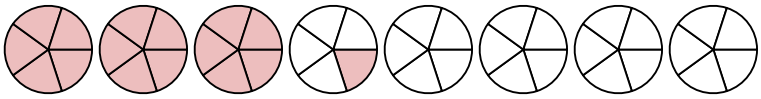


$^{2}/_{4} \times 3 = 1\,{}^{2}/_{4}$

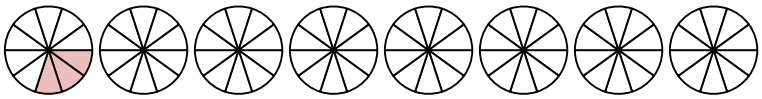
After shading it in we can see why 2/4 three times is equal to 1 whole and $^{2}/_{4}$.



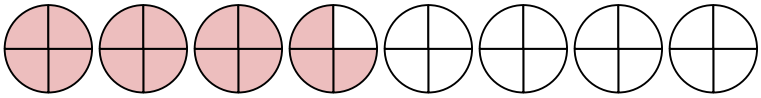
1) $\frac{4}{5} \times 4 =$



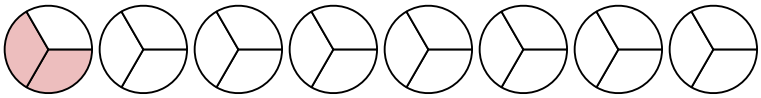
2) $\frac{1}{10} \times 3 =$



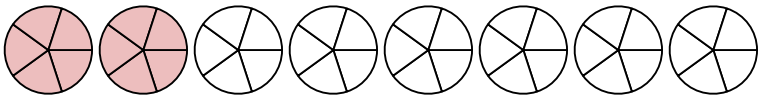
3) $\frac{3}{4} \times 5 =$



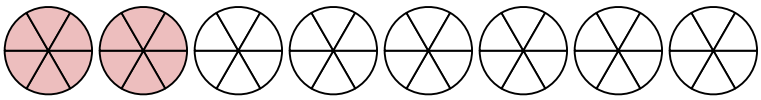
4) $\frac{1}{3} \times 2 =$



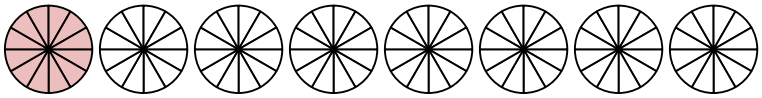
5) $\frac{2}{5} \times 5 =$



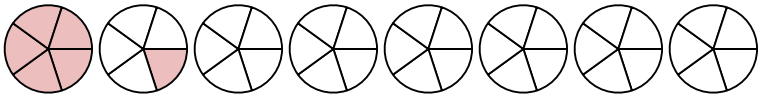
6) $\frac{4}{6} \times 3 =$



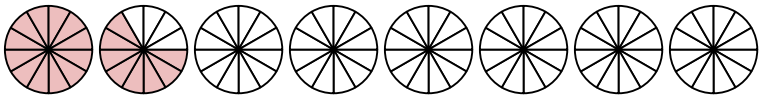
7) $\frac{4}{12} \times 3 =$



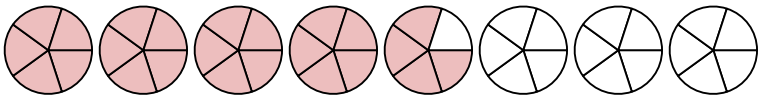
8) $\frac{3}{5} \times 2 =$



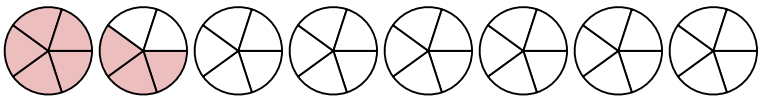
9) $\frac{10}{12} \times 2 =$



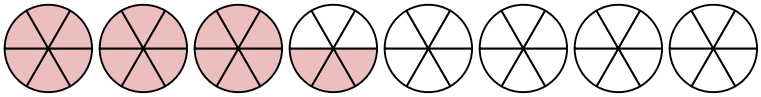
10) $\frac{4}{5} \times 6 =$



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



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



Answers

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

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