Multiplying Fractions by Whole Numbers (visual)

Name:

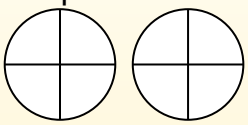
Use the visual model to solve each problem.

$^2/_4 \times 3 =$

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

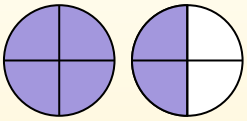
$^2/_4 \times 3 =$

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

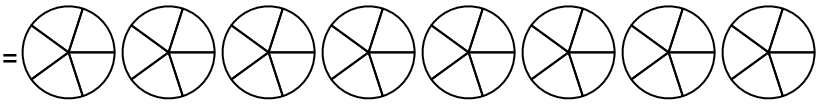


$^2/_4 \times 3 = 1\ {}^2/_4$

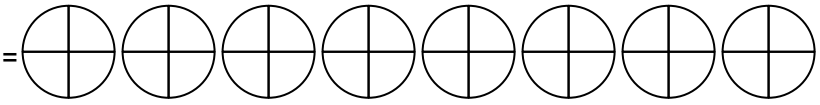
After shading it in we can see why 2/4 three times is equal to 1 whole and $^2/_4$.



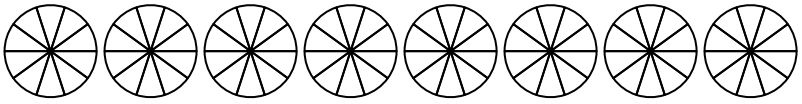
1) $\frac{2}{5} \times 5 =$



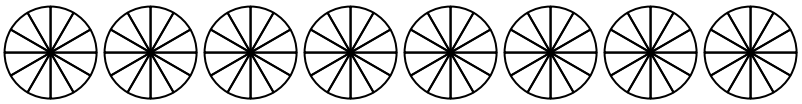
2) $\frac{2}{4} \times 6 =$



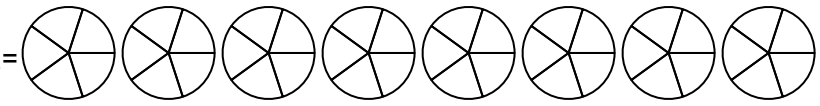
3) $\frac{3}{10} \times 7 =$



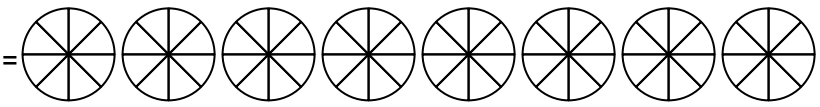
4) $\frac{6}{12} \times 6 =$



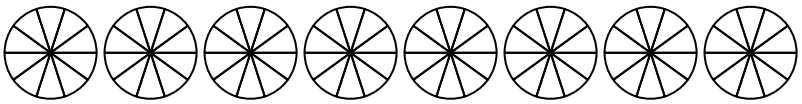
5) $\frac{1}{5} \times 2 =$



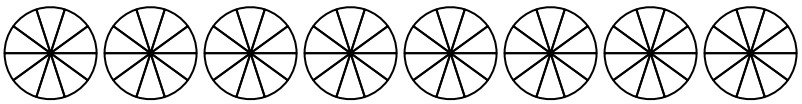
6) $\frac{2}{8} \times 6 =$



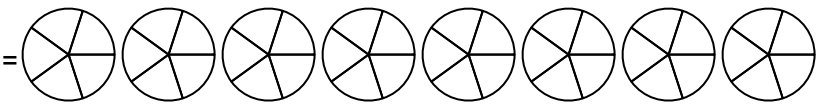
7) $\frac{9}{10} \times 4 =$



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



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



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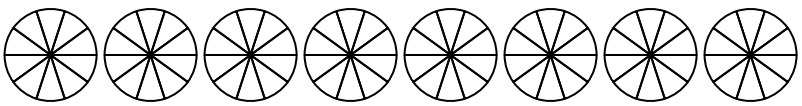

11) $\frac{1}{} \times 6 =$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

1-10	91	82	73	64	55	45	36	27	18	9
11	0									

Multiplying Fractions by Whole Numbers (visual)

Name: **Answer Key**

Use the visual model to solve each problem.

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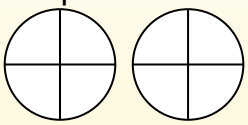

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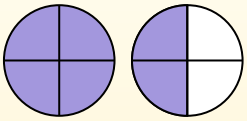

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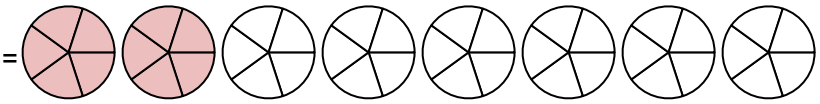

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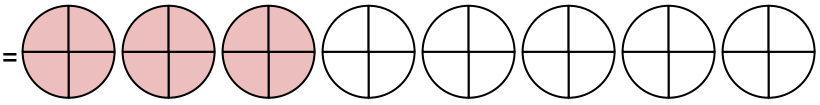

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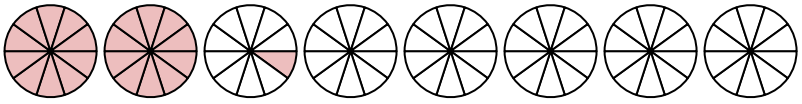

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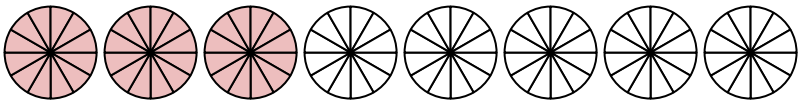

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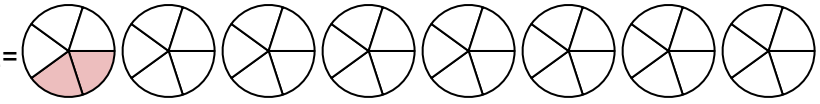

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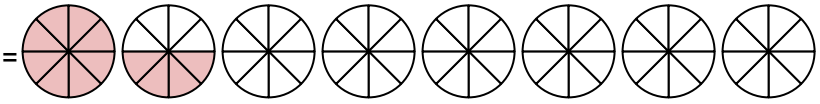

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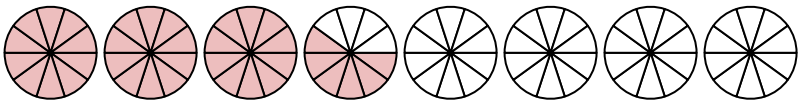

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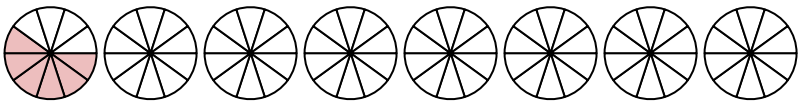

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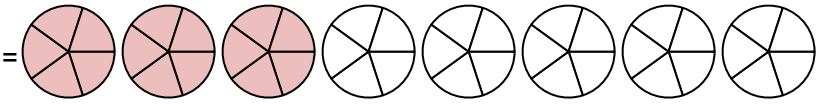

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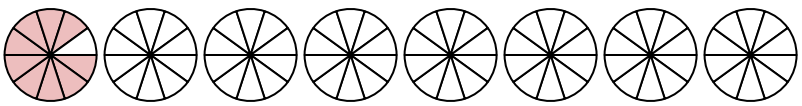

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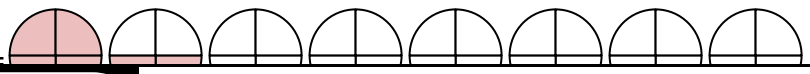

Answers

1. $2\frac{0}{5}$
2. $3\frac{0}{4}$
3. $2\frac{1}{10}$
4. $3\frac{0}{12}$
5. $\frac{2}{5}$
6. $1\frac{4}{8}$
7. $3\frac{6}{10}$
8. $\frac{6}{10}$
9. $3\frac{0}{5}$
10. $\frac{9}{10}$
11. $1\frac{2}{4}$

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