Multiplying Fractions by Whole Numbers (visual) Name:

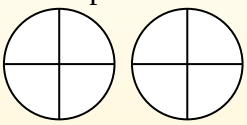
**Use the visual model to solve each problem.**

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

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

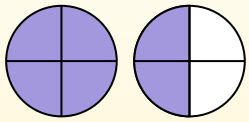
$^{2}/_{4} \times 3 =$

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

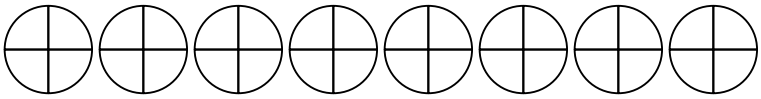


$^{2}/_{4} \times 3 = 1\ {}^{2}/_{4}$

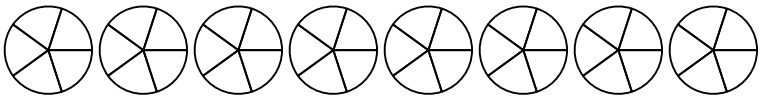
After shading it in we can see why 2/4 three times is equal to 1 whole and $^{2}/_{4}$.



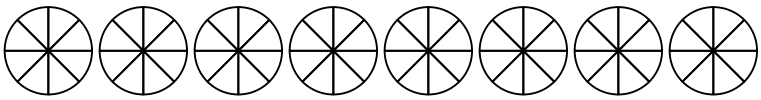
**1)** $\frac{1}{4} \times 2 =$



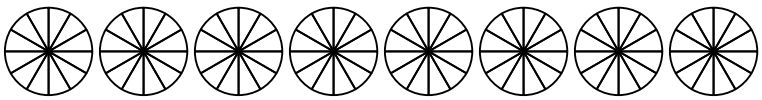
**2)** $\frac{1}{5} \times 5 =$



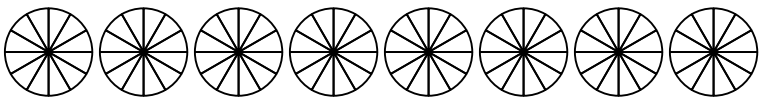
**3)** $\frac{1}{8} \times 5 =$



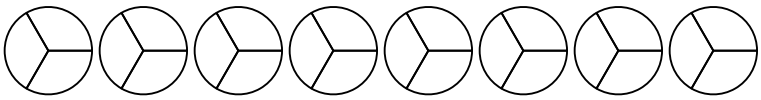
**4)** $\frac{5}{12} \times 4 =$



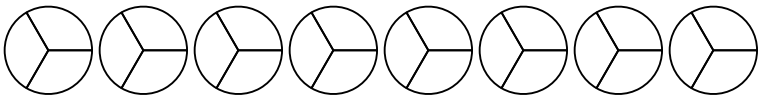
**5)** $\frac{7}{12} \times 3 =$



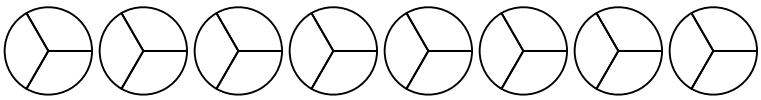
**6)** $\frac{1}{3} \times 3 =$



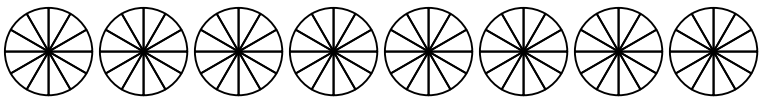
**7)** $\frac{2}{3} \times 6 =$



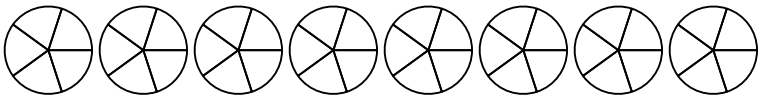
**8)** $\frac{2}{3} \times 4 =$



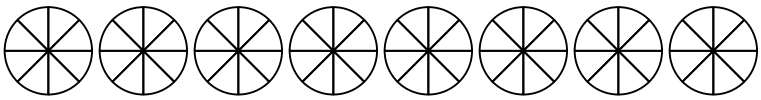
**9)** $\frac{2}{12} \times 5 =$



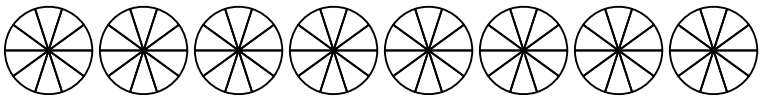
**10)** $\frac{3}{5} \times 7 =$



**11)** $\frac{6}{8} \times 5 =$



**12)** $\frac{6}{10} \times 3 =$



**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**

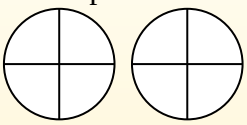
**Use the visual model to solve each problem.**

$^2/_4 \times 3 =$

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

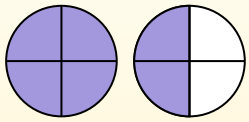
$^2/_4 \times 3 =$

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 $^2/_4$.



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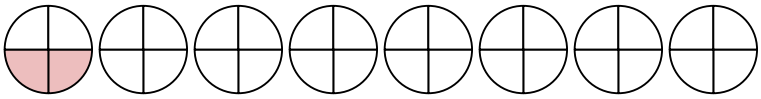
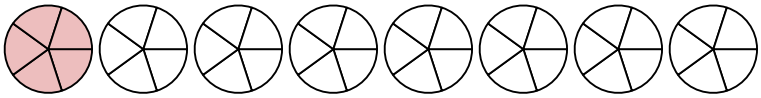


**2)** $\frac{1}{5} \times 5 =$



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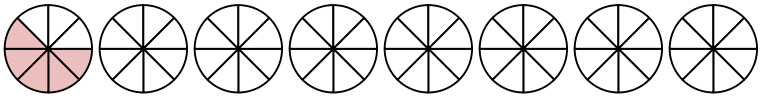

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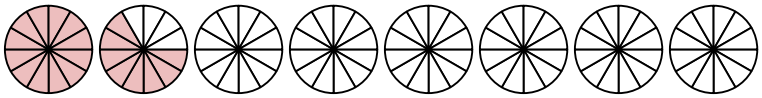

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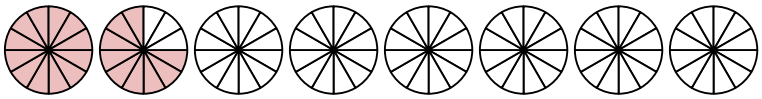

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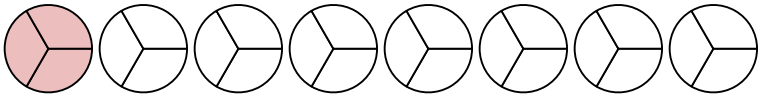

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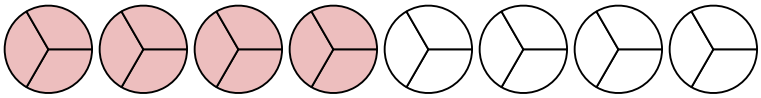

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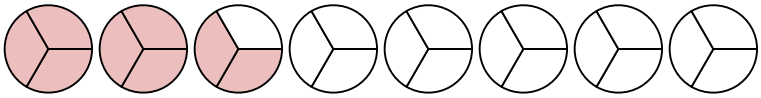

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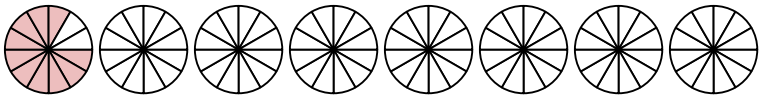

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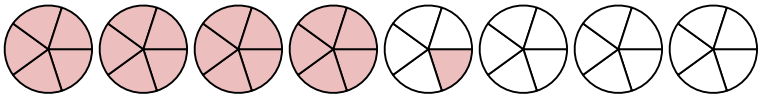

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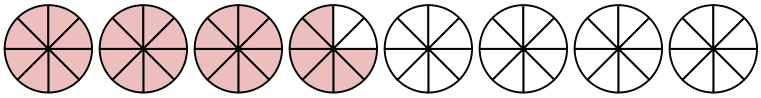

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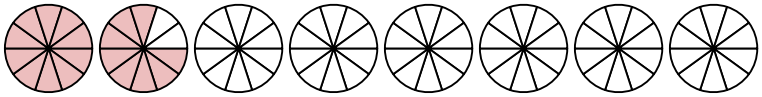

## Answers

1. $^2/_4$
2. $1\ {}^0/_5$
3. $^5/_8$
4. $1\ {}^8/_{12}$
5. $1\ {}^9/_{12}$
6. $1\ {}^0/_3$
7. $4\ {}^0/_3$
8. $2\ {}^2/_3$
9. $^{10}/_{12}$
10. $4\ {}^1/_5$
11. $3\ {}^6/_8$
12. $1\ {}^8/_{10}$



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
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