



Multiplying Fractions by Whole Numbers (visual)

Name: _____

Use the visual model to solve each problem.

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

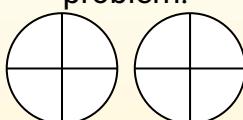
To solve multiplication problems with fractions one strategy is to think of them as addition problems.

For example the problem above is the same as:

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

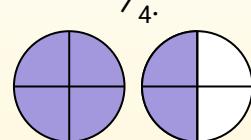
$$\frac{2}{4} \times 3 =$$

If we shade in $\frac{2}{4}$ 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 $\frac{2}{4}$ three times is equal to 1 whole and $\frac{2}{4}$.



1) $\frac{4}{8} \times 2 =$

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

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

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

5) $\frac{5}{10} \times 2 =$

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

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____



Multiplying Fractions by Whole Numbers (visual)

Name: **Answer Key**

Use the visual model to solve each problem.

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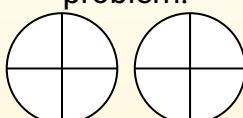
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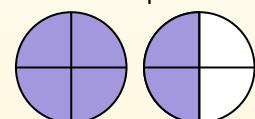
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After shading it in we can see why $\frac{2}{4}$ three times is equal to 1 whole and $\frac{2}{4}$.



Answers

1. $1 \frac{0}{8}$

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

3. $5 \frac{1}{4}$

4. $5 \frac{0}{6}$

5. $1 \frac{0}{10}$

6. $3 \frac{3}{5}$

7. $2 \frac{0}{3}$

8. $\frac{2}{5}$

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

10. $3 \frac{1}{3}$

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

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