Multiplying Fractions by Whole Numbers (visual)

Name:

Use the visual model to solve each problem.
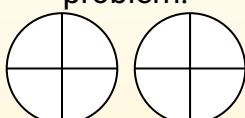
Answers

6ox

$^2/_4 \times 3 =$

To solve multiplication problems with fractions one strategy is to think of them as addition problems.
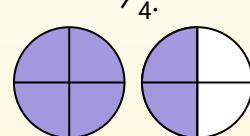For example the problem above is the same as:

$^2/_4 + ^2/_4 + ^2/_4$

$^2/_4 \times 3 =$

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

2) $\dfrac{1}{3} \times 3 =$

3) $\dfrac{3}{6} \times 6 =$

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

5) $\dfrac{5}{10} \times 4 =$

6) $\dfrac{2}{6} \times 5 =$

7) $\dfrac{4}{6} \times 6 =$

8) $\dfrac{3}{4} \times 2 =$

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

10) $\dfrac{7}{12} \times 2 =$

11) $\dfrac{7}{?} \times 7 =$

Answers

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

Math

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

Use the visual model to solve each problem.
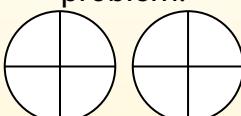
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To solve multiplication problems with fractions one strategy is to think of them as addition problems.
For example the problem above is the same as:

$^2/_4 + ^2/_4 + ^2/_4$

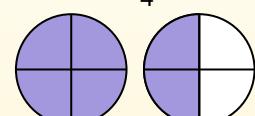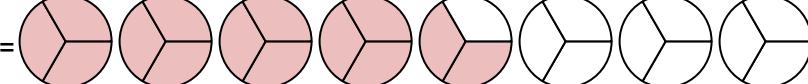$^2/_4 \times 3 =$

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

$^2/_4 \times 3 = 1\,^2/_4$
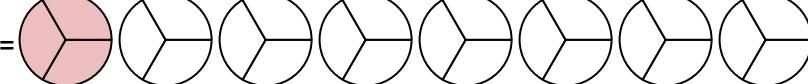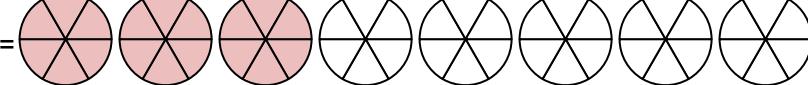
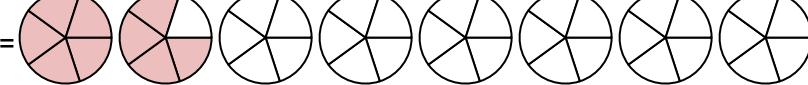After shading it in we can see why 2/4 three times is equal to 1 whole and $^2/_4$.

1. $4\frac{2}{3}$

2. $1\frac{0}{3}$

3. $3\frac{0}{6}$

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

5. $2\frac{0}{10}$

6. $1\frac{4}{6}$

7. $4\frac{0}{6}$

8. $1\frac{2}{4}$

9. $3\frac{0}{5}$
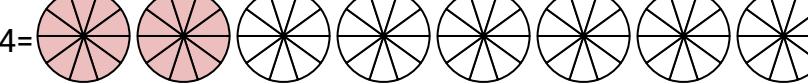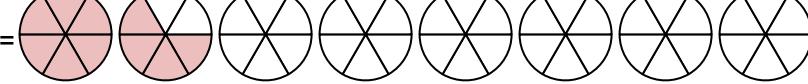
10. $1\frac{2}{12}$

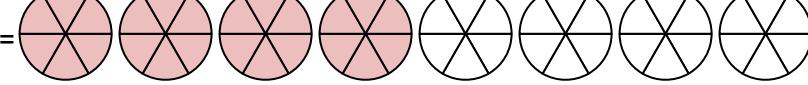11. $6\frac{1}{8}$

1) $\dfrac{2}{3} \times 7 =$

2) $\dfrac{1}{3} \times 3 =$

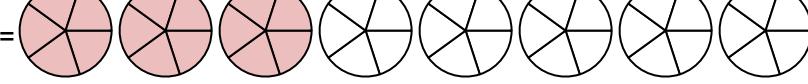**3)** $\dfrac{3}{6} \times 6 =$

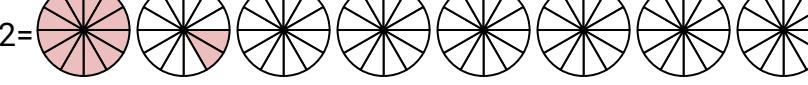**4)** $\dfrac{3}{5} \times 3 =$

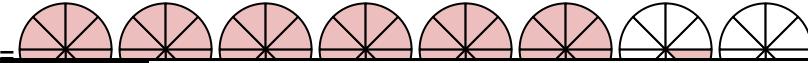**5)** $\dfrac{5}{10} \times 4 =$

6) $\dfrac{2}{6} \times 5 =$

7) $\dfrac{4}{6} \times 6 =$

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

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