



Use the visual model to solve each problem.

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

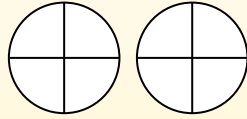
To solve multiplication problems with fractions one strategy is to think of them as addition problems.

For example the problem above is the same as:

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

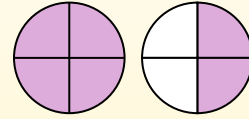
$\frac{2}{4} \times 3 =$

If we shade in $\frac{2}{4}$ on the fractions below 3 times we can see a visual representation of the problem.



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

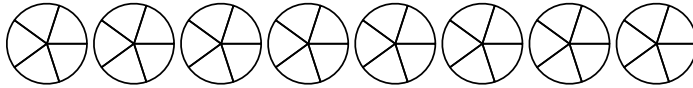
After shading it in we can see why $\frac{2}{4}$ three times is equal to 1 whole and $\frac{2}{4}$.



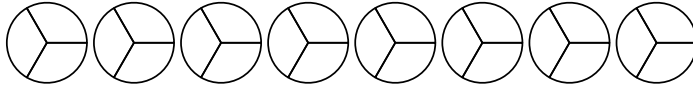
Answers

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

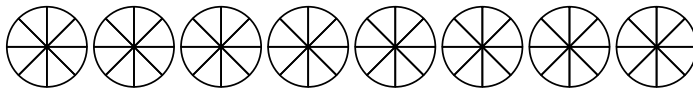
1) $\frac{3}{5} \times 6 =$



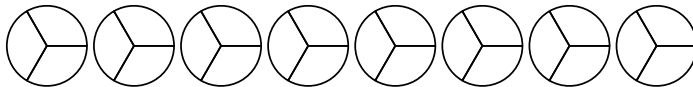
2) $\frac{1}{3} \times 4 =$



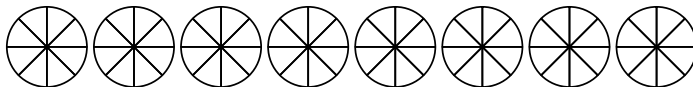
3) $\frac{1}{8} \times 6 =$



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



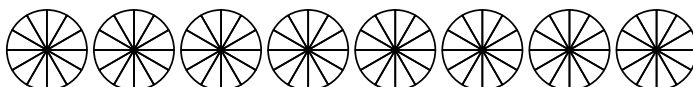
5) $\frac{2}{8} \times 7 =$



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



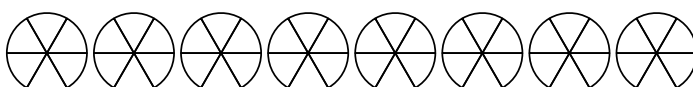
7) $\frac{2}{12} \times 3 =$



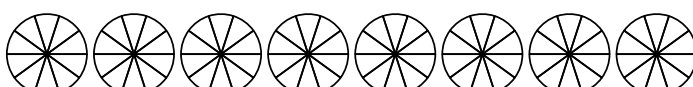
8) $\frac{1}{4} \times 7 =$



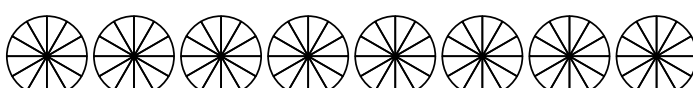
9) $\frac{1}{6} \times 7 =$



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



11) $\frac{3}{12} \times 3 =$



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





Solve each problem.

Ex) $\frac{1}{10} \times 5 = \frac{5}{10}$

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

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

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

4) $6 \times \frac{1}{8} =$

5) $\frac{1}{12} \times 4 =$

6) $4 \times \frac{1}{6} =$

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

8) $6 \times \frac{1}{4} =$

9) $10 \times \frac{1}{8} =$

10) $10 \times \frac{1}{12} =$

11) $\frac{1}{10} \times 7 =$

12) $4 \times \frac{1}{4} =$

13) $10 \times \frac{1}{5} =$

14) $5 \times \frac{1}{3} =$

15) $2 \times \frac{1}{3} =$

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

17) $9 \times \frac{1}{12} =$

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

19) $\frac{1}{4} \times 10 =$

20) $10 \times \frac{1}{10} =$

Answers

Ex. $\frac{5}{10}$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Solve each problem. Answer as a mixed fraction.

Ex) $8 \times \frac{1}{8} = 1$

1) $10 \times \frac{4}{12} =$

2) $\frac{4}{8} \times 9 =$

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

4) $\frac{1}{12} \times 8 =$

5) $\frac{2}{4} \times 10 =$

6) $2 \times \frac{1}{10} =$

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

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

9) $7 \times \frac{2}{6} =$

10) $9 \times \frac{6}{10} =$

11) $8 \times \frac{2}{3} =$

12) $\frac{1}{12} \times 7 =$

13) $\frac{5}{10} \times 7 =$

14) $9 \times \frac{3}{6} =$

15) $\frac{1}{3} \times 7 =$

16) $2 \times \frac{2}{5} =$

17) $5 \times \frac{3}{4} =$

18) $9 \times \frac{1}{4} =$

19) $\frac{11}{12} \times 2 =$

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

Answers

Ex. 1

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____



Solve each problem. Answer as an improper fraction (if possible).

1) $\frac{4}{5} \times \frac{1}{3} =$

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

3) $\frac{1}{3} \times \frac{4}{5} =$

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

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

6) $\frac{4}{5} \times \frac{1}{2} =$

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

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

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

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

11) $\frac{2}{3} \times \frac{1}{5} =$

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



Convert the improper fraction to a mixed number fraction.

$$\frac{17}{5}$$

$$3 \frac{2}{5}$$

$$3 \frac{2}{5}$$

First divide the numerator by the denominator.

$$17 \div 5 = 3 \text{ r}2$$

The 3 is your whole number. While the remainder become the numerator.

Your denominator stays the same.

And now you have your mixed number.

Answers

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

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Ex) $\frac{23}{4} = 5 \frac{3}{4}$

1) $\frac{20}{7} =$

2) $\frac{11}{10} =$

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

4) $\frac{13}{4} =$

5) $\frac{66}{7} =$

6) $\frac{86}{8} =$

7) $\frac{25}{6} =$

8) $\frac{102}{10} =$

9) $\frac{51}{7} =$

10) $\frac{29}{3} =$

11) $\frac{7}{2} =$

12) $\frac{37}{10} =$

13) $\frac{21}{4} =$

14) $\frac{10}{4} =$

15) $\frac{14}{5} =$

16) $\frac{31}{3} =$

17) $\frac{53}{9} =$

18) $\frac{49}{5} =$

19) $\frac{42}{8} =$

20) $\frac{77}{8} =$



Convert the improper fraction to a mixed number fraction.

$$\frac{17}{5}$$

$$3 \frac{2}{5}$$

$$3 \frac{2}{5}$$

First divide the numerator by the denominator.

$$17 \div 5 = 3 \text{ r}2$$

The 3 is your whole number. While the remainder become the numerator.

Your denominator stays the same.

And now you have your mixed number.

Answers

Ex. $1 \frac{8}{9}$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Ex) $\frac{17}{9} = 1 \frac{8}{9}$

1) $\frac{71}{8} =$

2) $\frac{41}{6} =$

3) $\frac{16}{7} =$

4) $\frac{23}{4} =$

5) $\frac{81}{10} =$

6) $\frac{34}{8} =$

7) $\frac{25}{9} =$

8) $\frac{17}{4} =$

9) $\frac{57}{7} =$

10) $\frac{27}{4} =$

11) $\frac{4}{3} =$

12) $\frac{19}{10} =$

13) $\frac{21}{2} =$

14) $\frac{27}{8} =$

15) $\frac{28}{8} =$

16) $\frac{8}{5} =$

17) $\frac{31}{3} =$

18) $\frac{32}{7} =$

19) $\frac{22}{5} =$

20) $\frac{32}{3} =$