

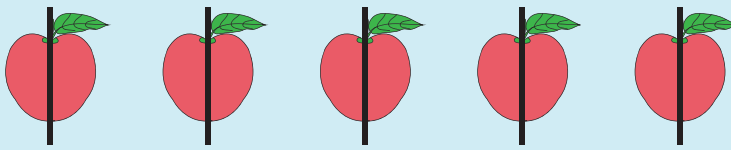
**5th
Grade**

FRACTIONS

Dividing Fractions

$$\frac{a}{b} \div \frac{c}{d} \text{ or } \frac{\frac{a}{b}}{\frac{c}{d}} = \frac{a}{b} \times \frac{d}{c} = \frac{ad}{bc}$$

$$5 \div \frac{1}{2} = 10$$



Multiplying Fractions

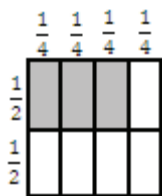
$$\frac{a}{b} \times \frac{c}{d} = \frac{a \times c}{b \times d} = \frac{ac}{bd}$$

Workbook 1

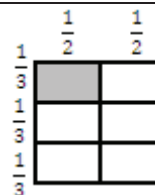
Area Model

Use the illustration to write the multiplication sentence (Reducing not required).

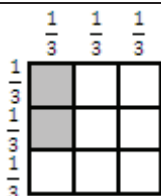
Example:



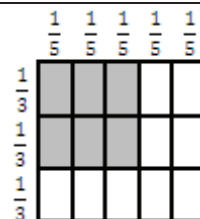
This is a square with side length 1 unit. Each cell has dimension $\frac{1}{2} \times \frac{1}{4}$. Shaded region forms a rectangle with length $3 \times \frac{1}{4} = \frac{3}{4}$ and width $\frac{1}{2}$. Multiplication sentence to represent the shaded region is $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$



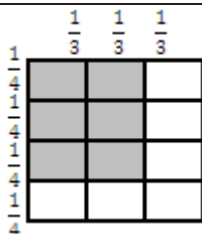
$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$



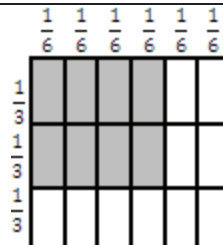
$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$



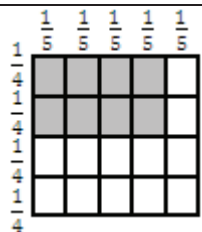
$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$



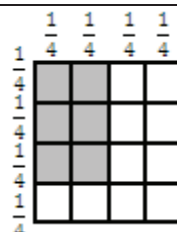
$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$



$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$



$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$



$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$

Calculate the Value

1. What is $\frac{1}{3}$ of 12?

2. What is $\frac{2}{5}$ of 20?

3. What is $\frac{4}{7}$ of 28?

4. What is $\frac{3}{4}$ of 16?

5. What is $\frac{8}{9}$ of 9?

6. What is $\frac{2}{3}$ of 18?

7. What is $\frac{2}{7}$ of 2?

8. What is $\frac{1}{8}$ of 6?

9. What is $\frac{5}{6}$ of 16?

10. What is $\frac{4}{9}$ of 27?

11. What is $\frac{1}{11}$ of 44?

12. What is $\frac{3}{5}$ of 20?

13. What is $\frac{2}{3}$ of 1?

14. What is $\frac{1}{4}$ of 22?

15. What is $\frac{7}{9}$ of 63?

16. What is $\frac{9}{10}$ of 5?

17. What is $\frac{1}{3}$ of 45?

18. What is $\frac{3}{8}$ of 2?

19. What is $\frac{1}{2}$ of 0?

20. What is $\frac{4}{5}$ of 35?

21. What is $\frac{5}{7}$ of 4?

22. What is $\frac{1}{6}$ of 36?

23. What is $\frac{2}{3}$ of 10?

24. What is $\frac{7}{8}$ of 8?

25. What is $\frac{2}{9}$ of 6?

26. What is $\frac{4}{11}$ of 4?

27. What is $\frac{1}{4}$ of 25?

28. What is $\frac{3}{7}$ of 14?

29. What is $\frac{9}{10}$ of 50?

30. What is $\frac{1}{2}$ of 15?

Multiplying Fractions

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

$$\frac{7}{8} \times \frac{6}{3} =$$

$$\frac{10}{5} \times \frac{1}{2} =$$

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

$$\frac{10}{9} \times \frac{3}{5} =$$

$$\frac{5}{6} \times \frac{10}{9} =$$

$$\frac{12}{8} \times \frac{1}{6} =$$

$$\frac{1}{6} \times \frac{4}{3} =$$

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

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

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

$$\frac{10}{8} \times \frac{3}{5} =$$

$$\frac{7}{6} \times \frac{1}{3} =$$

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

$$\frac{9}{10} \times \frac{15}{7} =$$

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Dividing Fractions

$$\frac{2}{3} \div 4 = \boxed{}$$

$$\frac{6}{9} \div 3 = \boxed{}$$

$$5 \div \frac{1}{6} = \boxed{}$$

$$7 \div \frac{7}{9} = \boxed{}$$

$$\frac{9}{11} \div 36 = \boxed{}$$

$$12 \div \frac{4}{5} = \boxed{}$$

$$14 \div \frac{7}{8} = \boxed{}$$

$$\frac{2}{3} \div 8 = \boxed{}$$

$$6 \div \frac{1}{2} = \boxed{}$$

$$1 \div \frac{11}{12} = \boxed{}$$

$$\frac{10}{13} \div 5 = \boxed{}$$

$$\frac{7}{9} \div 14 = \boxed{}$$

$$\frac{5}{8} \div 4 = \boxed{}$$

$$18 \div \frac{8}{9} = \boxed{}$$

$$6 \div \frac{4}{5} = \boxed{}$$

Dividing Fractions

$$\frac{8}{7} \div 4 = \boxed{}$$

$$3 \div \frac{6}{5} = \boxed{}$$

$$\frac{12}{7} \div 7 = \boxed{}$$

$$5 \div \frac{10}{6} = \boxed{}$$

$$16 \div \frac{12}{9} = \boxed{}$$

$$\frac{8}{2} \div 14 = \boxed{}$$

$$\frac{10}{5} \div 2 = \boxed{}$$

$$1 \div \frac{7}{6} = \boxed{}$$

$$3 \div \frac{2}{5} = \boxed{}$$

$$11 \div \frac{4}{3} = \boxed{}$$

$$\frac{7}{5} \div 5 = \boxed{}$$

$$\frac{9}{2} \div 6 = \boxed{}$$

$$\frac{9}{7} \div 1 = \boxed{}$$

$$4 \div \frac{6}{2} = \boxed{}$$

$$\frac{8}{5} \div 4 = \boxed{}$$

Dividing Fractions

$5\frac{1}{3} \div 8 = \boxed{}$

$2 \div 3\frac{1}{2} = \boxed{}$

$9 \div 5\frac{1}{4} = \boxed{}$

$6\frac{4}{9} \div 18 = \boxed{}$

$4 \div 1\frac{7}{8} = \boxed{}$

$7\frac{3}{7} \div 9 = \boxed{}$

$10 \div 8\frac{1}{2} = \boxed{}$

$3\frac{3}{5} \div 2 = \boxed{}$

$12\frac{4}{5} \div 1 = \boxed{}$

$4\frac{6}{7} \div 2 = \boxed{}$

$5 \div 7\frac{1}{2} = \boxed{}$

$9\frac{3}{4} \div 26 = \boxed{}$

$3\frac{6}{7} \div 6 = \boxed{}$

$8 \div 1\frac{1}{5} = \boxed{}$

$2\frac{4}{5} \div 10 = \boxed{}$