

Multiplying Fractions

MUL 1

Instructions: Use the procedure you learned in the video to multiply these fractions together. You do **not** need to simplify your answers.

1 $\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$

2 $\frac{1}{2} \times \frac{7}{8} =$

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

4 $\frac{3}{5} \times \frac{4}{6} =$

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

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

7 $\frac{6}{8} \times \frac{2}{5} =$

8 $\frac{1}{2} \times \frac{12}{6} =$

9 $\frac{5}{6} \times \frac{5}{8} =$

10 $\frac{7}{4} \times \frac{6}{4} =$

11 $\frac{4}{7} \times \frac{2}{5} =$

12 $\frac{4}{8} \times \frac{9}{8} =$

13 $\frac{1}{7} \times \frac{1}{4} =$

14 $\frac{4}{10} \times \frac{5}{5} =$

15 $\frac{4}{3} \times \frac{7}{8} =$

16 $\frac{9}{9} \times \frac{2}{9} =$

17 $\frac{0}{4} \times \frac{3}{8} =$

18 $\frac{7}{5} \times \frac{7}{12} =$

Multiplying Fractions - Set 2

MUL 2

Instructions: Use the procedure you learned in the video to multiply these fractions. The 'dot' multiplication symbol is used in some problems. You do **not** need to simplify your answers.

1 $\frac{4}{6} \times \frac{4}{5} = \frac{16}{30}$

2 $\frac{3}{4} \times \frac{4}{6} =$

3 $\frac{5}{6} \times \frac{2}{6} =$

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

5 $\frac{4}{7} \times \frac{5}{3} =$

6 $\frac{6}{10} \cdot \frac{9}{7} =$

7 $\frac{7}{6} \times \frac{5}{8} =$

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

9 $\frac{3}{10} \times \frac{3}{4} =$

10 $\frac{9}{5} \times \frac{1}{10} =$

11 $\frac{1}{8} \cdot \frac{10}{5} =$

12 $\frac{5}{8} \cdot \frac{5}{4} =$

13 $\frac{2}{8} \times \frac{8}{2} =$

14 $\frac{3}{7} \cdot \frac{4}{7} =$

15 $\frac{10}{11} \cdot \frac{3}{4} =$

16 $\frac{10}{15} \times \frac{1}{2} =$

17 $\frac{2}{3} \cdot \frac{9}{12} =$

18 $\frac{1}{10} \cdot \frac{1}{10} =$

With Fractions, "of" Means "times"

MUL 3

Instructions: Solve these problems. Remember, the word "of" is a hint that you need to multiply the fractions together. You do **not** need to simplify your answers.

1 what is $\frac{1}{2}$ of $\frac{3}{4}$ = $\frac{3}{8}$ _____

2 find $\frac{2}{3}$ of $\frac{3}{5}$ _____

3 what is $\frac{1}{2}$ of $\frac{1}{4}$ _____

4 find $\frac{1}{4}$ of $\frac{11}{12}$ _____

5 what is $\frac{1}{2}$ of $\frac{4}{5}$ _____

6 find $\frac{7}{8}$ of $\frac{8}{7}$ _____

7 what is $\frac{3}{4}$ of $\frac{2}{5}$ _____

8 find $\frac{1}{5}$ of $\frac{9}{7}$ _____

9 what is $\frac{4}{5}$ of $\frac{7}{8}$ _____

10 find $\frac{5}{8}$ of $\frac{1}{3}$ _____

11 what is $\frac{1}{2}$ of $\frac{3}{10}$ _____

12 find $\frac{1}{10}$ of $\frac{3}{7}$ _____

13 what is $\frac{3}{4}$ of $\frac{3}{4}$ _____

14 find $\frac{2}{6}$ of $\frac{1}{8}$ _____

15 what is $\frac{6}{10}$ of $\frac{4}{5}$ _____

16 find $\frac{5}{6}$ of $\frac{3}{4}$ _____

Multiplying Three or More Fractions

MUL 4

Instructions: Use the procedure you learned in the video to multiply these fractions together. You do **not** need to simplify your answers.

1 $\frac{2}{3} \times \frac{4}{5} \times \frac{1}{3} = \frac{8}{45}$

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

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

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

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

6 $\frac{7}{10} \times \frac{5}{10} \times \frac{1}{2} =$

7 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} =$

8 $\frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} \cdot \frac{1}{3} =$

9 $\frac{1}{3} \times \frac{3}{4} \times \frac{1}{2} \times \frac{2}{2} \times \frac{5}{1} =$

10 $\frac{3}{4} \cdot \frac{2}{5} \cdot \frac{3}{4} =$

11 $\frac{5}{3} \cdot \frac{2}{3} \cdot \frac{0}{7} =$

12 $\frac{5}{2} \times \frac{2}{7} \times \frac{1}{2} \times \frac{5}{1} =$

13 $\frac{3}{2} \times \frac{1}{2} \times \frac{4}{5} \times \frac{3}{5} =$

14 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} =$

Multiplying a Fraction by a Whole Number

MUL 5

Instructions: Multiply the fraction and the whole number. You do **not** need to simplify your answers.

1 $2 \times \frac{3}{4} = \frac{6}{4}$
same as 2 over 1

2 $3 \times \frac{5}{7} =$

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

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

5 $2 \times \frac{5}{12} =$

6 $10 \times \frac{1}{3} =$

7 $\frac{4}{5} \times 6 =$

8 $\frac{8}{45} \times 3 =$

9 $7 \times \frac{5}{24} =$

10 $\frac{6}{21} \times 6 =$

11 $\frac{2}{5} \times 2 =$

12 $2 \times \frac{6}{11} =$

13 $\frac{7}{32} \times 3 =$

14 $7 \times \frac{8}{30} =$

15 $0 \times \frac{5}{8} =$

16 $\frac{9}{99} \times 9 =$