Math Antics Worksheets

Multiplying Fractions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Math Antics Worksheets

Multiplying Fractions - Set 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 $\dfrac{4}{6} \times \dfrac{4}{5} = \dfrac{16}{30}$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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With Fractions, "of" Means "times"

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 $\frac{3}{4}$ _____

Name: _____

Date: _____

Multiplying Three or More Fractions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Multiplying a Fraction by a Whole Number

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

1 $2 \times \dfrac{3}{4} = \dfrac{6}{4}$

same as 2 over 1

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Exercises

Name: _____

Date: _____

Multiplying Fractions

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

2
$$\frac{3}{8} \times \frac{5}{6}$$

3
$$\frac{4}{10} \times \frac{5}{9}$$

4
$$\frac{4}{9} \times \frac{5}{2}$$

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

6
$$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{3} \times \frac{1}{3}$$

7
$$\frac{2}{15} \times 4$$

8
$$\frac{3}{4} \times \frac{4}{3}$$

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

10 What is $\frac{1}{2}$ of $\frac{3}{4}$?

Name: _____

Date: _____

Multiplying Fractions

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

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

2 $\dfrac{1}{2} \times \dfrac{7}{8} = \dfrac{7}{16}$

3 $\dfrac{2}{3} \times \dfrac{2}{3} = \dfrac{4}{9}$

4 $\dfrac{3}{5} \times \dfrac{4}{6} = \dfrac{12}{30}$

5 $\dfrac{1}{4} \times \dfrac{5}{2} = \dfrac{5}{8}$

6 $\dfrac{3}{3} \times \dfrac{8}{7} = \dfrac{24}{21}$

7 $\dfrac{6}{8} \times \dfrac{2}{5} = \dfrac{12}{40}$

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

9 $\dfrac{5}{6} \times \dfrac{5}{8} = \dfrac{25}{48}$

10 $\dfrac{7}{4} \times \dfrac{6}{4} = \dfrac{42}{16}$

11 $\dfrac{4}{7} \times \dfrac{2}{5} = \dfrac{8}{35}$

12 $\dfrac{4}{8} \times \dfrac{9}{8} = \dfrac{36}{64}$

13 $\dfrac{1}{7} \times \dfrac{1}{4} = \dfrac{1}{28}$

14 $\dfrac{4}{10} \times \dfrac{5}{5} = \dfrac{20}{50}$

15 $\dfrac{4}{3} \times \dfrac{7}{8} = \dfrac{28}{24}$

16 $\dfrac{9}{9} \times \dfrac{2}{9} = \dfrac{18}{81}$

17 $\dfrac{0}{4} \times \dfrac{3}{8} = \dfrac{0}{32} = 0$

18 $\dfrac{7}{5} \times \dfrac{7}{12} = \dfrac{49}{60}$

Math Antics Worksheets

Multiplying Fractions - Set 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 $\dfrac{4}{6} \times \dfrac{4}{5} = \dfrac{16}{30}$

2 $\dfrac{3}{4} \times \dfrac{4}{6} = \dfrac{12}{24}$

3 $\dfrac{5}{6} \times \dfrac{2}{6} = \dfrac{10}{36}$

4 $\dfrac{4}{7} \times \dfrac{1}{8} = \dfrac{4}{56}$

5 $\dfrac{4}{7} \times \dfrac{5}{3} = \dfrac{20}{21}$

6 $\dfrac{6}{10} \cdot \dfrac{9}{7} = \dfrac{54}{70}$

7 $\dfrac{7}{6} \times \dfrac{5}{8} = \dfrac{35}{48}$

8 $\dfrac{5}{3} \times \dfrac{3}{5} = \dfrac{15}{15} = 1$

9 $\dfrac{3}{10} \times \dfrac{3}{4} = \dfrac{9}{40}$

10 $\dfrac{9}{5} \times \dfrac{1}{10} = \dfrac{9}{50}$

11 $\dfrac{1}{8} \cdot \dfrac{10}{5} = \dfrac{10}{40}$

12 $\dfrac{5}{8} \cdot \dfrac{5}{4} = \dfrac{25}{32}$

13 $\dfrac{2}{8} \times \dfrac{8}{2} = \dfrac{16}{16} = 1$

14 $\dfrac{3}{7} \cdot \dfrac{4}{7} = \dfrac{12}{49}$

15 $\dfrac{10}{11} \cdot \dfrac{3}{4} = \dfrac{30}{44}$

16 $\dfrac{10}{15} \times \dfrac{1}{2} = \dfrac{10}{30}$

17 $\dfrac{2}{3} \cdot \dfrac{9}{12} = \dfrac{18}{36}$

18 $\dfrac{1}{10} \cdot \dfrac{1}{10} = \dfrac{1}{100}$

Math Antics

Worksheets

With Fractions, "of" Means "times"

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 $\frac{3}{5}$ = $\frac{6}{15}$

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

4 find $\frac{1}{4}$ of $\frac{11}{12}$ = $\frac{11}{48}$

5 what is $\frac{1}{2}$ of $\frac{4}{5}$ = $\frac{4}{10}$

6 find $\frac{7}{8}$ of $\frac{8}{7}$ = $\frac{56}{56}$ =1

7 what is $\frac{3}{4}$ of $\frac{2}{5}$ = $\frac{6}{20}$

8 find $\frac{1}{5}$ of $\frac{9}{7}$ = $\frac{9}{35}$

9 what is $\frac{4}{5}$ of $\frac{7}{8}$ = $\frac{28}{40}$

10 find $\frac{5}{8}$ of $\frac{1}{3}$ = $\frac{5}{24}$

11 what is $\frac{1}{2}$ of $\frac{3}{10}$ = $\frac{3}{20}$

12 find $\frac{1}{10}$ of $\frac{3}{7}$ = $\frac{3}{70}$

13 what is $\frac{3}{4}$ of $\frac{3}{4}$ = $\frac{9}{16}$

14 find $\frac{2}{6}$ of $\frac{1}{8}$ = $\frac{2}{48}$

15 what is $\frac{6}{10}$ of $\frac{4}{5}$ = $\frac{24}{50}$

16 find $\frac{5}{6}$ of $\frac{3}{4}$ = $\frac{15}{24}$

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Name: _____

Date: _____

Multiplying Three or More Fractions

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

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

2 $\dfrac{1}{2} \times \dfrac{2}{3} \times \dfrac{3}{4} = \dfrac{6}{24}$

3 $\dfrac{1}{2} \times \dfrac{1}{2} \times \dfrac{1}{2} \times \dfrac{2}{3} = \dfrac{2}{24}$

4 $\dfrac{3}{4} \times \dfrac{1}{2} \times \dfrac{3}{4} \times \dfrac{1}{2} = \dfrac{9}{64}$

5 $\dfrac{2}{5} \times \dfrac{2}{6} \times \dfrac{2}{1} = \dfrac{8}{30}$

6 $\dfrac{7}{10} \times \dfrac{5}{10} \times \dfrac{1}{2} = \dfrac{35}{200}$

7 $\dfrac{1}{2} \times \dfrac{1}{2} \times \dfrac{1}{2} \times \dfrac{1}{2} = \dfrac{1}{16}$

8 $\dfrac{1}{3} \cdot \dfrac{1}{3} \cdot \dfrac{1}{3} \cdot \dfrac{1}{3} = \dfrac{1}{81}$

9 $\dfrac{1}{3} \times \dfrac{3}{4} \times \dfrac{1}{2} \times \dfrac{2}{2} \times \dfrac{5}{1} = \dfrac{30}{48}$

10 $\dfrac{3}{4} \cdot \dfrac{2}{5} \cdot \dfrac{3}{4} = \dfrac{18}{80}$

11 $\dfrac{5}{3} \cdot \dfrac{2}{3} \cdot \dfrac{0}{7} = \dfrac{0}{63} = 0$

12 $\dfrac{5}{2} \times \dfrac{2}{7} \times \dfrac{1}{2} \times \dfrac{5}{1} = \dfrac{50}{28}$

13 $\dfrac{3}{2} \times \dfrac{1}{2} \times \dfrac{4}{5} \times \dfrac{3}{5} = \dfrac{36}{100}$

14 $\dfrac{1}{2} \times \dfrac{1}{2} \times \dfrac{1}{2} \times \dfrac{1}{2} \times \dfrac{1}{2} = \dfrac{1}{32}$

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Multiplying a Fraction by a Whole Number

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

1 $\quad 2 \times \dfrac{3}{4} = \dfrac{6}{4}$

same as 2 over 1

2 $\quad 3 \times \dfrac{5}{7} = \dfrac{15}{7}$

3 $\quad 5 \times \dfrac{1}{2} = \dfrac{5}{2}$

4 $\quad \dfrac{5}{6} \times 5 = \dfrac{25}{6}$

5 $\quad 2 \times \dfrac{5}{12} = \dfrac{10}{12}$

6 $\quad 10 \times \dfrac{1}{3} = \dfrac{10}{3}$

7 $\quad \dfrac{4}{5} \times 6 = \dfrac{24}{5}$

8 $\quad \dfrac{8}{45} \times 3 = \dfrac{24}{45}$

9 $\quad 7 \times \dfrac{5}{24} = \dfrac{35}{24}$

10 $\quad \dfrac{6}{21} \times 6 = \dfrac{36}{21}$

11 $\quad \dfrac{2}{5} \times 2 = \dfrac{4}{5}$

12 $\quad 2 \times \dfrac{6}{11} = \dfrac{12}{11}$

13 $\quad \dfrac{7}{32} \times 3 = \dfrac{21}{32}$

14 $\quad 7 \times \dfrac{8}{30} = \dfrac{56}{30}$

15 $\quad 0 \times \dfrac{5}{8} = \dfrac{0}{8} = 0$

16 $\quad \dfrac{9}{99} \times 9 = \dfrac{81}{99}$

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Multiplying Fractions

1

$$\frac{1}{5} \times \frac{2}{3} = \boxed{\frac{2}{15}}$$

2

$$\frac{3}{8} \times \frac{5}{6} = \boxed{\frac{15}{48}} \text{ or } \frac{5}{16}$$

3

$$\frac{4}{10} \times \frac{5}{9} = \boxed{\frac{20}{90}} \text{ or } \frac{2}{9}$$

4

$$\frac{4}{9} \times \frac{5}{2} = \boxed{\frac{20}{18}} \text{ or } 1\frac{1}{9}$$

5

$$\frac{1}{2} \times \frac{3}{5} \times \frac{2}{5} = \boxed{\frac{6}{50}} \text{ or } \frac{3}{25}$$

6

$$\frac{1}{2} \times \frac{1}{2} \times \frac{1}{3} \times \frac{1}{3} = \boxed{\frac{1}{36}}$$

7

$$\frac{2}{15} \times 4 = \frac{2}{15} \times \frac{4}{1} = \boxed{\frac{8}{15}}$$

8

$$\frac{3}{4} \times \frac{4}{3} = \boxed{\frac{12}{12}} \text{ or } 1$$

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

$$\frac{1}{2} \times \frac{1}{3} = \boxed{\frac{1}{6}}$$

10 What is $\frac{1}{2}$ of $\frac{3}{4}$?

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

See Video for step-by-step
solutions to each problem.