

## Converting Tenths to Decimals

F-TEN 1

**Instructions:** Write each fraction as a decimal number. (Then try it without the number place boxes in the second half of the exercise set.)

1  $\frac{5}{10} = 0.5$

2  $\frac{9}{10} = \square.\square$

3  $\frac{8}{10} = \square.\square$

4  $\frac{0}{10} = \square.\square$

5  $\frac{3}{10} = \square.\square$

6  $\frac{6}{10} = \square.\square$

7  $\frac{1}{10} = \square.\square$

8  $\frac{4}{10} = \square.\square$

9  $\frac{7}{10} = \square.\square$

10  $\frac{2}{10} = \square.\square$

11  $\frac{4}{10} = \underline{\hspace{2cm}}$

12  $\frac{7}{10} = \underline{\hspace{2cm}}$

13  $\frac{5}{10} = \underline{\hspace{2cm}}$

14  $\frac{2}{10} = \underline{\hspace{2cm}}$

15  $\frac{9}{10} = \underline{\hspace{2cm}}$

16  $\frac{6}{10} = \underline{\hspace{2cm}}$

17  $\frac{1}{10} = \underline{\hspace{2cm}}$

18  $\frac{8}{10} = \underline{\hspace{2cm}}$

19  $\frac{0}{10} = \underline{\hspace{2cm}}$

20  $\frac{3}{10} = \underline{\hspace{2cm}}$

## Converting Hundredths to Decimals

F-TEN 2

Instructions: Write each fraction as a decimal number.

1  $\frac{4}{100} = 0.04$

2  $\frac{20}{100} =$  \_\_\_\_\_

3  $\frac{22}{100} =$  \_\_\_\_\_

4  $\frac{79}{100} =$  \_\_\_\_\_

5  $\frac{10}{100} =$  \_\_\_\_\_

6  $\frac{85}{100} =$  \_\_\_\_\_

7  $\frac{8}{100} =$  \_\_\_\_\_

8  $\frac{15}{100} =$  \_\_\_\_\_

9  $\frac{50}{100} =$  \_\_\_\_\_

10  $\frac{63}{100} =$  \_\_\_\_\_

11  $\frac{42}{100} =$  \_\_\_\_\_

12  $\frac{41}{100} =$  \_\_\_\_\_

13  $\frac{9}{100} =$  \_\_\_\_\_

14  $\frac{17}{100} =$  \_\_\_\_\_

15  $\frac{1}{100} =$  \_\_\_\_\_

16  $\frac{7}{100} =$  \_\_\_\_\_

17  $\frac{75}{100} =$  \_\_\_\_\_

18  $\frac{33}{100} =$  \_\_\_\_\_

19  $\frac{38}{100} =$  \_\_\_\_\_

20  $\frac{99}{100} =$  \_\_\_\_\_

## Converting Thousandths to Decimals

F-TEN 3

Instructions: Write each fraction as a decimal number.

1  $\frac{8}{1,000} = 0.008$

2  $\frac{99}{1,000} =$  \_\_\_\_\_

3  $\frac{155}{1,000} =$  \_\_\_\_\_

4  $\frac{737}{1,000} =$  \_\_\_\_\_

5  $\frac{38}{1,000} =$  \_\_\_\_\_

6  $\frac{290}{1,000} =$  \_\_\_\_\_

7  $\frac{25}{1,000} =$  \_\_\_\_\_

8  $\frac{10}{1,000} =$  \_\_\_\_\_

9  $\frac{570}{1,000} =$  \_\_\_\_\_

10  $\frac{16}{1,000} =$  \_\_\_\_\_

11  $\frac{345}{1,000} =$  \_\_\_\_\_

12  $\frac{999}{1,000} =$  \_\_\_\_\_

13  $\frac{30}{1,000} =$  \_\_\_\_\_

14  $\frac{100}{1,000} =$  \_\_\_\_\_

15  $\frac{700}{1,000} =$  \_\_\_\_\_

16  $\frac{55}{1,000} =$  \_\_\_\_\_

17  $\frac{1}{1,000} =$  \_\_\_\_\_

18  $\frac{605}{1,000} =$  \_\_\_\_\_

19  $\frac{48}{1,000} =$  \_\_\_\_\_

20  $\frac{180}{1,000} =$  \_\_\_\_\_

## Converting Fractions to Decimals - Mixed Practice

F-TEN 4

Instructions: Write each fraction as a decimal number.

1  $\frac{47}{100} = 0.47$

2  $\frac{125}{1,000} =$  \_\_\_\_\_

3  $\frac{80}{1,000} =$  \_\_\_\_\_

4  $\frac{95}{100} =$  \_\_\_\_\_

5  $\frac{6}{10} =$  \_\_\_\_\_

6  $\frac{35}{100} =$  \_\_\_\_\_

7  $\frac{482}{1,000} =$  \_\_\_\_\_

8  $\frac{2}{10} =$  \_\_\_\_\_

9  $\frac{9}{10} =$  \_\_\_\_\_

10  $\frac{36}{1,000} =$  \_\_\_\_\_

11  $\frac{86}{100} =$  \_\_\_\_\_

12  $\frac{360}{1,000} =$  \_\_\_\_\_

13  $\frac{70}{1,000} =$  \_\_\_\_\_

14  $\frac{21}{100} =$  \_\_\_\_\_

15  $\frac{75}{100} =$  \_\_\_\_\_

16  $\frac{5}{1,000} =$  \_\_\_\_\_

17  $\frac{12}{100} =$  \_\_\_\_\_

18  $\frac{5}{10} =$  \_\_\_\_\_

19  $\frac{8}{10} =$  \_\_\_\_\_

20  $\frac{5}{100} =$  \_\_\_\_\_

21  $\frac{65}{100} =$  \_\_\_\_\_

22  $\frac{874}{1,000} =$  \_\_\_\_\_

23  $\frac{510}{1,000} =$  \_\_\_\_\_

24  $\frac{37}{100} =$  \_\_\_\_\_

## Converting Decimals to Fractions

F-TEN 5

Instructions: Convert these decimals into fractions.

Examples

one place →  $0.7 = \frac{7}{10}$   
one zero

two places →  $0.72 = \frac{72}{100}$   
two zeros

three places →  $0.725 = \frac{725}{1000}$   
three zeros

1      $0.1 = \underline{\quad}$

2      $0.250 = \underline{\quad}$

3      $0.29 = \underline{\quad}$

4      $0.80 = \underline{\quad}$

5      $0.015 = \underline{\quad}$

6      $0.97 = \underline{\quad}$

7      $0.4 = \underline{\quad}$

8      $0.107 = \underline{\quad}$

9      $0.25 = \underline{\quad}$

10     $0.3 = \underline{\quad}$

11     $0.312 = \underline{\quad}$

12     $0.61 = \underline{\quad}$

13     $0.070 = \underline{\quad}$

14     $0.552 = \underline{\quad}$

15     $0.43 = \underline{\quad}$

16     $0.2 = \underline{\quad}$

17     $0.8 = \underline{\quad}$

18     $0.010 = \underline{\quad}$

19     $0.09 = \underline{\quad}$

20     $0.349 = \underline{\quad}$

## Converting Base-10 Fractions

**1** Convert this fraction into a decimal.

$$\frac{6}{10} = \underline{\hspace{2cm}}$$

**2** Convert this fraction into a decimal.

$$\frac{15}{100} = \underline{\hspace{2cm}}$$

**3** Convert this fraction into a decimal.

$$\frac{42}{1000} = \underline{\hspace{2cm}}$$

**4** Convert these fractions into decimals.

$$\frac{1}{10} \qquad \frac{1}{100} \qquad \frac{1}{1000}$$

\_\_\_\_\_

**5** Convert this fraction into a decimal.

$$\frac{168}{100} = \underline{\hspace{2cm}}$$

**6** Convert this decimal into a fraction.

$$0.3 = \underline{\hspace{1cm}}$$

**7** Convert this decimal into a fraction.

$$0.27 = \underline{\hspace{1cm}}$$

**8** Convert this decimal into a fraction.

$$0.384 = \underline{\hspace{1cm}}$$

**9** Convert this decimal into a fraction.

$$0.05 = \underline{\hspace{1cm}}$$

**10** Convert this decimal into a fraction.

$$11.72 = \underline{\hspace{1cm}}$$

## Converting Tenths to Decimals

F-TEN 1

**Instructions:** Write each fraction as a decimal number. (Then try it without the number place boxes in the second half of the exercise set.)

1  $\frac{5}{10} = 0.5$

2  $\frac{9}{10} = 0.9$

3  $\frac{8}{10} = 0.8$

4  $\frac{0}{10} = 0.0$

5  $\frac{3}{10} = 0.3$

6  $\frac{6}{10} = 0.6$

7  $\frac{1}{10} = 0.1$

8  $\frac{4}{10} = 0.4$

9  $\frac{7}{10} = 0.7$

10  $\frac{2}{10} = 0.2$

11  $\frac{4}{10} = 0.4$

12  $\frac{7}{10} = 0.7$

13  $\frac{5}{10} = 0.5$

14  $\frac{2}{10} = 0.2$

15  $\frac{9}{10} = 0.9$

16  $\frac{6}{10} = 0.6$

17  $\frac{1}{10} = 0.1$

18  $\frac{8}{10} = 0.8$

19  $\frac{0}{10} = 0.0$

20  $\frac{3}{10} = 0.3$

## Converting Hundredths to Decimals

F-TEN 2

Instructions: Write each fraction as a decimal number.

1  $\frac{4}{100} = \underline{0.04}$

2  $\frac{20}{100} = \underline{0.20}$

3  $\frac{22}{100} = \underline{0.22}$

4  $\frac{79}{100} = \underline{0.79}$

5  $\frac{10}{100} = \underline{0.10}$

6  $\frac{85}{100} = \underline{0.85}$

7  $\frac{8}{100} = \underline{0.08}$

8  $\frac{15}{100} = \underline{0.15}$

9  $\frac{50}{100} = \underline{0.50}$

10  $\frac{63}{100} = \underline{0.63}$

11  $\frac{42}{100} = \underline{0.42}$

12  $\frac{41}{100} = \underline{0.41}$

13  $\frac{9}{100} = \underline{0.09}$

14  $\frac{17}{100} = \underline{0.17}$

15  $\frac{1}{100} = \underline{0.01}$

16  $\frac{7}{100} = \underline{0.07}$

17  $\frac{75}{100} = \underline{0.75}$

18  $\frac{33}{100} = \underline{0.33}$

19  $\frac{38}{100} = \underline{0.38}$

20  $\frac{99}{100} = \underline{0.99}$



## Converting Thousandths to Decimals

F-TEN 3

Instructions: Write each fraction as a decimal number.

1  $\frac{8}{1,000} = \underline{0.008}$

2  $\frac{99}{1,000} = \underline{0.099}$

3  $\frac{155}{1,000} = \underline{0.155}$

4  $\frac{737}{1,000} = \underline{0.737}$

5  $\frac{38}{1,000} = \underline{0.038}$

6  $\frac{290}{1,000} = \underline{0.290}$

7  $\frac{25}{1,000} = \underline{0.025}$

8  $\frac{10}{1,000} = \underline{0.010}$

9  $\frac{570}{1,000} = \underline{0.570}$

10  $\frac{16}{1,000} = \underline{0.016}$

11  $\frac{345}{1,000} = \underline{0.345}$

12  $\frac{999}{1,000} = \underline{0.999}$

13  $\frac{30}{1,000} = \underline{0.030}$

14  $\frac{100}{1,000} = \underline{0.100}$

15  $\frac{700}{1,000} = \underline{0.700}$

16  $\frac{55}{1,000} = \underline{0.055}$

17  $\frac{1}{1,000} = \underline{0.001}$

18  $\frac{605}{1,000} = \underline{0.605}$

19  $\frac{48}{1,000} = \underline{0.048}$

20  $\frac{180}{1,000} = \underline{0.180}$

## Converting Fractions to Decimals - Mixed Practice

F-TEN 4

Instructions: Write each fraction as a decimal number.

1  $\frac{47}{100} = \underline{0.47}$

2  $\frac{125}{1,000} = \underline{0.125}$

3  $\frac{80}{1,000} = \underline{0.080}$

4  $\frac{95}{100} = \underline{0.95}$

5  $\frac{6}{10} = \underline{0.6}$

6  $\frac{35}{100} = \underline{0.35}$

7  $\frac{482}{1,000} = \underline{0.482}$

8  $\frac{2}{10} = \underline{0.2}$

9  $\frac{9}{10} = \underline{0.9}$

10  $\frac{36}{1,000} = \underline{0.036}$

11  $\frac{86}{100} = \underline{0.86}$

12  $\frac{360}{1,000} = \underline{0.360}$

13  $\frac{70}{1,000} = \underline{0.070}$

14  $\frac{21}{100} = \underline{0.21}$

15  $\frac{75}{100} = \underline{0.75}$

16  $\frac{5}{1,000} = \underline{0.005}$

17  $\frac{12}{100} = \underline{0.12}$

18  $\frac{5}{10} = \underline{0.5}$

19  $\frac{8}{10} = \underline{0.8}$

20  $\frac{5}{100} = \underline{0.05}$

21  $\frac{65}{100} = \underline{0.65}$

22  $\frac{874}{1,000} = \underline{0.874}$

23  $\frac{510}{1,000} = \underline{0.510}$

24  $\frac{37}{100} = \underline{0.37}$

## Converting Decimals to Fractions

F-TEN 5

Instructions: Convert these decimals into fractions.

Examples

$$0.7 = \frac{7}{10}$$

one place →  
one zero →

$$0.72 = \frac{72}{100}$$

two places →  
two zeros →

$$0.725 = \frac{725}{1000}$$

three places →  
three zeros →

1      $0.1 = \frac{1}{10}$

2      $0.250 = \frac{250}{1000}$

3      $0.29 = \frac{29}{100}$

4      $0.80 = \frac{80}{100}$

5      $0.015 = \frac{15}{1000}$

6      $0.97 = \frac{97}{100}$

7      $0.4 = \frac{4}{10}$

8      $0.107 = \frac{107}{1000}$

9      $0.25 = \frac{25}{100}$

10      $0.3 = \frac{3}{10}$

11      $0.312 = \frac{312}{1000}$

12      $0.61 = \frac{61}{100}$

13      $0.070 = \frac{70}{1000}$

14      $0.552 = \frac{552}{1000}$

15      $0.43 = \frac{43}{100}$

16      $0.2 = \frac{2}{10}$

17      $0.8 = \frac{8}{10}$

18      $0.010 = \frac{10}{1000}$

19      $0.09 = \frac{9}{100}$

20      $0.349 = \frac{349}{1000}$

## Converting Base-10 Fractions

**1** Convert this fraction into a decimal.

$$\frac{6}{10} = \underline{0.6}$$

**2** Convert this fraction into a decimal.

$$\frac{15}{100} = \underline{0.15}$$

**3** Convert this fraction into a decimal.

$$\frac{42}{1000} = \underline{0.042}$$

**4** Convert these fractions into decimals.

$$\frac{1}{10} = \underline{0.1} \quad \frac{1}{100} = \underline{0.01} \quad \frac{1}{1000} = \underline{0.001}$$

**5** Convert this fraction into a decimal.

$$\frac{168}{100} = \underline{1.68}$$

**6** Convert this decimal into a fraction.

$$0.3 = \frac{3}{10}$$

**7** Convert this decimal into a fraction.

$$0.27 = \frac{27}{100}$$

**8** Convert this decimal into a fraction.

$$0.384 = \frac{384}{1000}$$

**9** Convert this decimal into a fraction.

$$0.05 = \frac{5}{100}$$

**10** Convert this decimal into a fraction.

$$11.72 = \frac{1172}{100}$$