

Converting Tenths to Decimals

CBF 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

CBF 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

CBF 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

CBF 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

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

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 $0.349 = \frac{349}{1000}$