

# Long Division Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Question 1

Solve the division equations for a decimal answer

I.  $17 \div 8 =$

II.  $89 \div 5 =$

III.  $945 \div 3.2 =$

IV.  $214 \div 4 =$

V.  $\frac{5.5}{2} =$

VI.  $\frac{13}{20} =$

VII.  $13,560 \div 320 =$

VIII.  $772,503 \div 6 =$

# Long Division Practice

## Question 2

Solve the division equations (round to the nearest thousandth)

I.  $7 \div 3.6 =$

II.  $15.5 \div 6.6 =$

III.  $\frac{90}{67} =$

IV.  $7,720.5 \div 850.6 =$

# Long Division Practice

Name: Key

Date: \_\_\_\_\_

## Question 1

Solve the division equations for a decimal answer

I.  $17 \div 8 = 2.125$

$$\begin{array}{r} 02.125 \\ 8 \overline{) 17.000} \\ \underline{-16} \phantom{00} \\ 10 \phantom{00} \\ \underline{-8} \phantom{00} \\ 20 \phantom{00} \\ \underline{-16} \phantom{00} \\ 40 \phantom{00} \\ \underline{-40} \\ 0 \end{array}$$

II.  $89 \div 5 = 17.8$

$$\begin{array}{r} 17.8 \\ 5 \overline{) 89.0} \\ \underline{-5} \phantom{0} \\ 39 \phantom{0} \\ \underline{-35} \phantom{0} \\ 40 \phantom{0} \\ \underline{-40} \\ 0 \end{array}$$

III.  $945 \div 3.2 = 295.3125$

$3.2 \overline{) 945}$  →

$$\begin{array}{r} 0295.3125 \\ 32 \overline{) 9450.0000} \\ \underline{-64} \phantom{0000} \\ 305 \phantom{0000} \\ \underline{-288} \phantom{0000} \\ 170 \phantom{0000} \\ \underline{-160} \phantom{0000} \\ 100 \phantom{0000} \\ \underline{-96} \phantom{0000} \\ 40 \phantom{0000} \\ \underline{-32} \phantom{0000} \\ 80 \phantom{0000} \\ \underline{-64} \phantom{0000} \\ 160 \phantom{0000} \\ \underline{-160} \\ 0 \end{array}$$

IV.  $2.14 \div 4 = 0.535$

$$\begin{array}{r} 0.535 \\ 4 \overline{) 2.140} \\ \underline{-2} \phantom{00} \\ 14 \phantom{00} \\ \underline{-12} \phantom{00} \\ 20 \phantom{00} \\ \underline{-20} \\ 0 \end{array}$$

V.  $\frac{5.5}{2} = 2.75$

$$\begin{array}{r} 2.75 \\ 2 \overline{) 5.50} \\ \underline{-4} \phantom{00} \\ 15 \phantom{00} \\ \underline{-14} \phantom{00} \\ 10 \phantom{00} \\ \underline{-10} \\ 0 \end{array}$$

VI.  $\frac{13}{20} = 0.65$

$$\begin{array}{r} 00.65 \\ 20 \overline{) 13.00} \\ \underline{-12} \phantom{00} \\ 100 \phantom{00} \\ \underline{-100} \\ 0 \end{array}$$

VII.  $13,560 \div 320 = 42.375$

$$\begin{array}{r} 00042.375 \\ 320 \overline{) 13,560.000} \\ \underline{-1,280} \phantom{000} \\ 760 \phantom{000} \\ \underline{-640} \phantom{000} \\ 1200 \phantom{000} \\ \underline{-960} \phantom{000} \\ 2400 \phantom{000} \\ \underline{-2240} \phantom{000} \\ 1600 \phantom{000} \\ \underline{-1600} \\ 0 \end{array}$$

VIII.  $772,503 \div 6 = 128,750.5$

$$\begin{array}{r} 128,750.5 \\ 6 \overline{) 772,503.0} \\ \underline{-6} \phantom{000000} \\ 17 \phantom{000000} \\ \underline{-12} \phantom{000000} \\ 52 \phantom{000000} \\ \underline{-48} \phantom{000000} \\ 45 \phantom{000000} \\ \underline{-42} \phantom{000000} \\ 30 \phantom{000000} \\ \underline{-30} \phantom{000000} \\ 030 \phantom{000000} \\ \underline{-030} \\ 0 \end{array}$$

# Long Division Practice

## Question 2

Solve the division equations (round to the nearest thousandth)

I.  $7 \div 3.6 = 1.944$

$$3.6 \overline{)7}$$

$$\begin{array}{r} 01.9444 \\ 36 \overline{)70.0000} \\ \underline{-36} \phantom{0000} \\ 340 \phantom{00} \\ \underline{-324} \phantom{00} \\ 160 \phantom{00} \\ \underline{-144} \phantom{00} \\ 160 \phantom{00} \\ \underline{-144} \phantom{00} \\ 160 \phantom{00} \\ \underline{-144} \phantom{00} \\ 16 \phantom{00} \end{array}$$

round

$$1.944$$

II.  $15.5 \div 6.6 = 2.348$

$$6.6 \overline{)15.5}$$

$$66 \overline{)155}$$

$$\begin{array}{r} 002.3484 \\ 66 \overline{)155.0000} \\ \underline{-132} \phantom{0000} \\ 230 \phantom{00} \\ \underline{-198} \phantom{00} \\ 320 \phantom{00} \\ \underline{-264} \phantom{00} \\ 560 \phantom{00} \\ \underline{-528} \phantom{00} \\ 320 \phantom{00} \\ \underline{-264} \phantom{00} \\ 56 \phantom{00} \end{array}$$

round

$$2.348$$

III.  $\frac{90}{67} = 1.343$

$$67 \overline{)90}$$

$$\begin{array}{r} 01.3432 \\ 67 \overline{)90.0000} \\ \underline{-67} \phantom{0000} \\ 230 \phantom{00} \\ \underline{-201} \phantom{00} \\ 290 \phantom{00} \\ \underline{-268} \phantom{00} \\ 220 \phantom{00} \\ \underline{-201} \phantom{00} \\ 190 \phantom{00} \\ \underline{-134} \phantom{00} \\ 56 \phantom{00} \end{array}$$

round

$$1.343$$

IV.  $7,720.5 \div 850.6 = 9.077$

$$850.6 \overline{)7,720.5} \longrightarrow 8,506 \overline{)77,205}$$

$$\begin{array}{r} 00009.0765 \\ 8,506 \overline{)77,205.0000} \\ \underline{-76,554} \phantom{0000} \\ 65,100 \phantom{00} \\ \underline{-59,542} \phantom{00} \\ 55,580 \phantom{00} \\ \underline{-51,036} \phantom{00} \\ 45,440 \phantom{00} \\ \underline{-42,530} \phantom{00} \\ 2,910 \phantom{00} \end{array}$$

round

$$9.077$$