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. $2.14 \div 4 =$

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. $17 \div 8 = 2.125$

$$
\begin{array}{r}
02.125 \\
8\overline{)\,17.000} \\
-16 \\
\hline
10 \\
-\,8 \\
\hline
20 \\
-16 \\
\hline
40 \\
-40 \\
\hline
0
\end{array}
$$

II. $89 \div 5 = 17.8$

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

III. $945 \div 3.2 = 295.3125$

$3.2\overline{)\,945}$ ⟶

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

IV. $2.14 \div 4 = 0.535$

$$
\begin{array}{r}
0.535 \\
4\overline{)\,2.140} \\
-20 \\
\hline
14 \\
-12 \\
\hline
20 \\
-20 \\
\hline
0
\end{array}
$$

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

$$
\begin{array}{r}
2.75 \\
2\overline{)\,5.50} \\
-\,4 \\
\hline
15 \\
-14 \\
\hline
10 \\
-10 \\
\hline
0
\end{array}
$$

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

$$
\begin{array}{r}
00.65 \\
20\overline{)\,13.00} \\
-\,120 \\
\hline
100 \\
-\,100 \\
\hline
0
\end{array}
$$

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

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

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

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

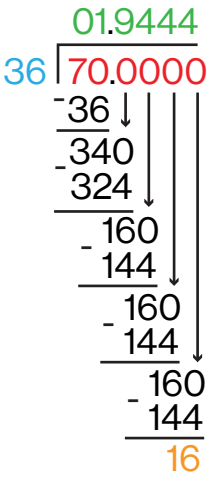
Long Division Practice

Question 2

Solve the division equations (round to the nearest thousandth)

I. $7 \div 3.6 = 1.944$

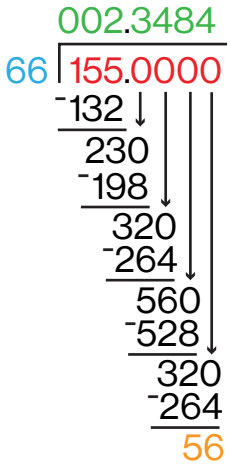
$3.6\overline{)7} \longrightarrow$



round → 1.944

II. $15.5 \div 6.6 = 2.348$

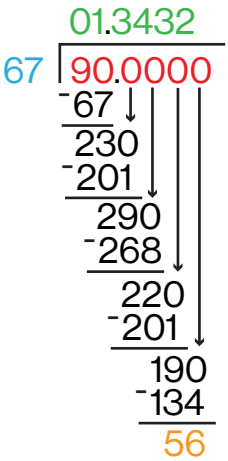
$6.6\overline{)15.5} \longrightarrow 66\overline{)155} \longrightarrow$



round → 2.348

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

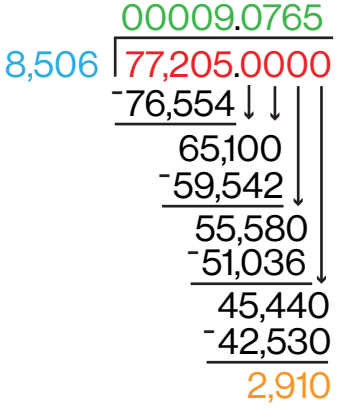
$67\overline{)90} \longrightarrow$



round → 1.343

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

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



round → 9.077