Name:_____   Date:
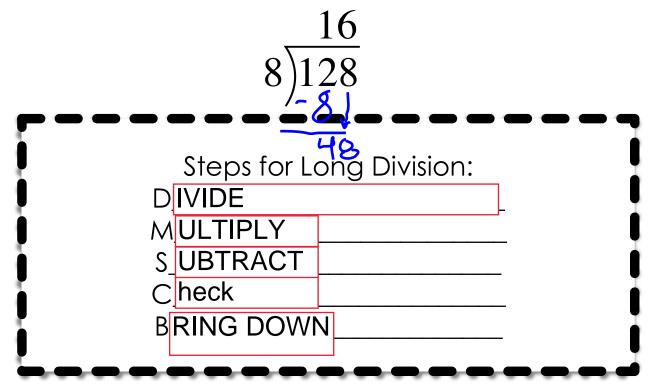
Dividing Multi-Digit Numbers

1. The dividend is the number that is being divided into.
2. The divisor is the number which divides the dividend.
3. The quotient _____ is the answer to the division problem.
4. Label the dividend, divisor and quotient in the problem below:

$$8 \overline{)128} = 16$$
$$-8$$
$$48$$

Steps for Long Division:

D IVIDE _____

M ULTIPLY _____

S UBTRACT _____

C heck _____

B RING DOWN _____

5. Find each quotient:

$$18 \overline{)1008} = 56$$
$$-90$$
$$108$$
$$-108$$
$$0$$

$$22 \overline{)1914} = 87$$
$$-176$$
$$154$$
$$-154$$
$$0$$

$$22 \times 9 = 198$$

$$22 \times 8 = 176$$

$$22 \times 7 = 154$$

Practice: Dividing Multi-Digit Numbers

Find each quotient. Simplify your answers.

#1	#2

#1

$$
\begin{array}{r}
89 \\
7\overline{)623} \\
-56\downarrow \\
\hline
63 \\
-63 \\
\hline
0
\end{array}
$$

#2

$$
\begin{array}{r}
98 \\
9\overline{)702} \\
-63\downarrow \\
\hline
72 \\
-72 \\
\hline
0
\end{array}
$$

#3

$$
\begin{array}{r}
^3 \quad 98 \\
54\overline{)5292} \\
486\downarrow \\
\hline
432 \\
-432 \\
\hline
0
\end{array}
$$

#4

$$
\begin{array}{r}
^3 \quad 26 \\
75\overline{)1950} \\
-150\downarrow \\
\hline
450 \\
450 \\
\hline
0
\end{array}
$$

#5 $11{,}100 \div 12 =$

$$
\begin{array}{r}
925 \\
12\overline{)11100} \\
-108\downarrow \\
\hline
30 \\
-24\downarrow \\
\hline
60 \\
-60 \\
\hline
0
\end{array}
$$

#6 $3{,}672 \div 36 =$

$$
\begin{array}{r}
102 \\
36\overline{)3672} \\
-36\downarrow \\
\hline
07 \\
-0\downarrow \\
\hline
72 \\
-72 \\
\hline
0
\end{array}
$$

#7 South Beach Middle School has 1,272 total students. The students are divided into equal classes of 24 students each. How many classes are there in all?

$$
\begin{array}{r}
53 \\
24\overline{)1272} \\
-120\downarrow \\
\hline
72 \\
-72 \\
\hline
0
\end{array}
$$