

Name: _____

Date: Friday, October 15th

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:

$$\begin{array}{r} 16 \\ 8 \overline{)128} \\ \underline{-8} \\ 48 \end{array}$$

Steps for Long Division:

- D IVIDE _____
- M ULTIPLY _____
- S UBTRACT _____
- C heck _____
- B RING DOWN _____

5. Find each quotient:

$$\begin{array}{r} \overset{4}{18} \overline{)1008} \\ \underline{-90} \\ 108 \\ \underline{-108} \\ 0 \end{array}$$

$$\begin{array}{r} \overset{22}{22} \overline{)198} \\ \underline{-9} \\ 198 \\ \underline{-176} \\ 22 \\ \underline{-22} \\ 0 \end{array}$$
$$\begin{array}{r} \overset{87}{22} \overline{)1914} \\ \underline{-176} \\ 154 \\ \underline{-154} \\ 0 \end{array}$$
$$\begin{array}{r} \overset{22}{22} \overline{)154} \\ \underline{-7} \\ 154 \\ \underline{-154} \\ 0 \end{array}$$

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Practice: Dividing Multi-Digit Numbers

Find each quotient. Simplify your answers.

#1 $\begin{array}{r} 89 \\ 7 \overline{)623} \\ \underline{-561} \\ 63 \\ \underline{-63} \\ 0 \end{array}$	#2 $\begin{array}{r} 98 \\ 9 \overline{)702} \\ \underline{-631} \\ 72 \\ \underline{-72} \\ 0 \end{array}$
#3 $\begin{array}{r} 98 \\ 54 \overline{)5292} \\ \underline{486} \\ 432 \\ \underline{-432} \\ 0 \end{array}$	#4 $\begin{array}{r} 26 \\ 75 \overline{)1950} \\ \underline{-150} \\ 450 \\ \underline{-450} \\ 0 \end{array}$
#5 $11,100 \div 12 =$ $\begin{array}{r} 925 \\ 12 \overline{)11100} \\ \underline{-108} \\ 30 \\ \underline{-24} \\ 60 \\ \underline{-60} \\ 0 \end{array}$	#6 $3,672 \div 36 =$ $\begin{array}{r} 102 \\ 36 \overline{)3672} \\ \underline{-36} \\ 07 \\ \underline{-0} \\ 72 \\ \underline{-72} \\ 0 \end{array}$
#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? $\begin{array}{r} 53 \\ 24 \overline{)1272} \\ \underline{-120} \\ 72 \\ \underline{-72} \\ 0 \end{array}$	

Homework is on Khan Academy.

For the multiplication and division Khan lessons, you must use scratch paper, and bring your scratch paper to class in order to get full credit.

I must be able to read your scratch work, so work neatly.