

## LONG DIVISION WITH DECIMALS - A

ANSWERS - PAGE 1

HELPFUL EXAMPLE  $1.3 \overline{)3.64}$

SOMETIMES THERE WILL BE A DECIMAL IN THE DIVISOR.

YOU CAN **NOT** HAVE A DECIMAL IN THE NUMBER ON THE OUTSIDE. YOU NEED TO MOVE IT COMPLETELY TO THE RIGHT.

$$1.3 \overline{)3.64}$$

WHATEVER YOU DO TO THE DECIMAL ON THE OUTSIDE, YOU HAVE TO DO THE EXACT SAME THING TO THE INSIDE.

$$13 \overline{)36.4}$$

BRING THE DECIMAL STRAIGHT UP AND DIVIDE.

$$\begin{array}{r} 02.8 \\ 13 \overline{)36.4} \\ - 0\downarrow \\ \hline 36 \\ - 26 \\ \hline 104 \\ - 104 \\ \hline 000 \end{array}$$

CHECK
2.8
$\times 1.3$
84
$+ 280$
3.64

DIVIDE.

1.  $0.6 \overline{)28.8}$       2.  $.12 \overline{)468}$       3.  $1.5 \overline{)0.975}$       4.  $.03 \overline{)3.12}$

48                      3.9                      0.65                      104

5.  $9 \overline{)2142}$       6.  $0.07 \overline{)3.472}$       7.  $1.1 \overline{)88.55}$       8.  $.13 \overline{).6721}$

0.0238                      49.6                      80.5                      5.17

NOT ENOUGH NUMBERS INSIDE.

9.  $.04 \overline{)37.4}$       10.  $10 \overline{)0.586}$       11.  $0.12 \overline{)938.4}$       12.  $.05 \overline{)7.98}$

935                      0.0586                      7,820                      159.6

13.  $.102 \overline{)2.0706}$       14.  $.008 \overline{)79.6}$       15.  $9.8 \overline{)36.75}$       16.  $2.01 \overline{).82209}$

20.3                      9,950                      3.75                      0.409

## LONG DIVISION WITH DECIMALS - B

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HELPFUL EXAMPLE  $.02 \overline{)57}$

SOMETIMES THERE WILL BE **NO** DECIMAL IN THE DIVIDEND.

REMEMBER, NO DECIMALS ON THE OUTSIDE AND WHATEVER YOU DO TO THE OUTSIDE YOU DO TO THE INSIDE.

$$.02 \overline{)57.}$$

IF YOU DO NOT SEE A DECIMAL, IT'S AT THE END OF THE NUMBER (FAR RIGHT).  
EXAMPLES:  
6 = 6. OR 57 = 57. OR 109 = 109.

$$.02 \overline{)57.00.}$$

MOVE THE DECIMAL TWO PLACES ON THE OUTSIDE AND TWO PLACES IN THE INSIDE, BUT SINCE THERE ARE NO MORE DIGITS YOU WILL HAVE TO ADD 0's.

$$\begin{array}{r} 1850 \\ 2 \overline{)5700} \\ - 4\downarrow \\ \hline 17 \\ - 16 \\ \hline 10 \\ - 10 \\ \hline 00 \\ - 00 \\ \hline 00 \end{array}$$

CHECK
1850
$\times .02$
57.00

DIVIDE.

1.  $.5 \overline{)89}$       2.  $0.12 \overline{)114}$       3.  $.06 \overline{)70.5}$       4.  $8 \overline{).696}$

178                      950                      1,175                      0.087

5.  $1.4 \overline{)441}$       6.  $.02 \overline{)79}$       7.  $0.7 \overline{)9.24}$       8.  $1.6 \overline{)0.12}$

315                      3,950                      13.2                      0.075

REPEATERS  
REPEATERS  
REPEATERS

9.  $.03 \overline{)58}$       10.  $1.1 \overline{)0.95}$       11.  $.4 \overline{)19}$       12.  $.25 \overline{)56.7}$

1,933. $\overline{33}$                       0.863 $\overline{63}$                       47.5                      226.8

13.  $0.10 \overline{)941}$       14.  $.013 \overline{)3.28}$       15.  $0.15 \overline{)892}$       16.  $105 \overline{).8652}$

9,410                      252.307 $\overline{69}$                       5,946. $\overline{66}$                       0.00824