math Antics®
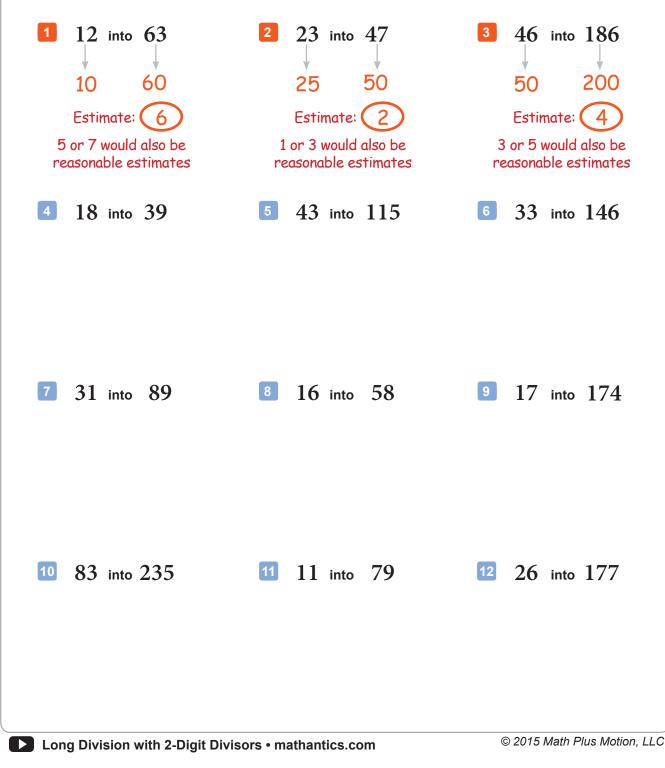
Worksheets
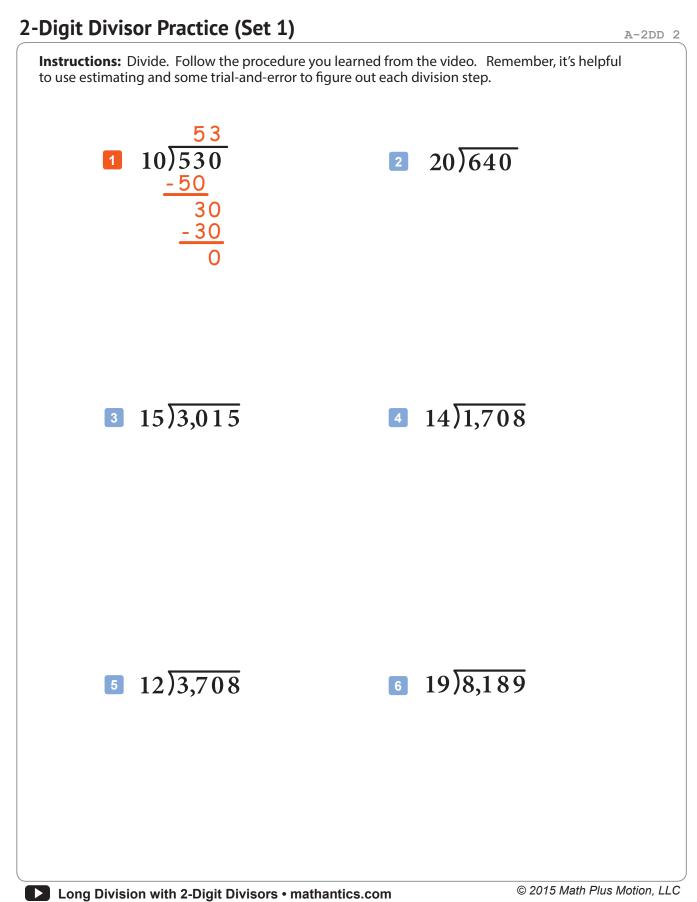
Name: _____

Date: _____

Estimating Division

Instructions: For each problem, use round numbers to estimate how many times the first number will divide into the second number. You can round each number to different a place value (ones, tens, hundreds) if it seems like it will make it easier to estimate. The first 3 have been done as examples.

Note: <u>Answers may vary</u>. When grading, because these are just estimates, the answers are not really right or wrong, but just closer to or farther from the estimate we made.

1   12 into 63
        ↓   ↓
        10   60
     Estimate: (6)
     5 or 7 would also be
     reasonable estimates

2   23 into 47
        ↓   ↓
        25   50
     Estimate: (2)
     1 or 3 would also be
     reasonable estimates

3   46 into 186
        ↓   ↓
        50   200
     Estimate: (4)
     3 or 5 would also be
     reasonable estimates

4   18 into 39

5   43 into 115

6   33 into 146

7   31 into 89

8   16 into 58

9   17 into 174

10 83 into 235

11 11 into 79

12 26 into 177

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Name: _____

Date: _____

2-Digit Divisor Practice (Set 1)

Instructions: Divide. Follow the procedure you learned from the video.   Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1
$$
\begin{array}{r}
5\,3 \\
10\overline{)5\,3\,0} \\
-5\,0 \\
\hline
3\,0 \\
-3\,0 \\
\hline
0
\end{array}
$$

2 $20\overline{)640}$

3 $15\overline{)3{,}015}$

4 $14\overline{)1{,}708}$

5 $12\overline{)3{,}708}$

6 $19\overline{)8{,}189}$

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2-Digit Divisor Practice (Set 2)

Instructions: Divide. Follow the procedure you learned from the video.   Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1
$$
\begin{array}{r}
46 \\
14\overline{)644} \\
-56 \\
\hline
84 \\
-84 \\
\hline
0
\end{array}
$$

2 $21\overline{)315}$

3 $25\overline{)3,250}$

4 $32\overline{)8,192}$

5 $13\overline{)1,183}$

6 $21\overline{)4,914}$

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Really Long 2-Digit Divisor Practice (Set 1)

Instructions: Divide. Follow the procedure you learned from the video.   Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1 $12\overline{)43{,}824}$

2 $23\overline{)32{,}936}$

3 $50\overline{)31{,}700}$

4 $75\overline{)903{,}225}$

![Math Antics Worksheets logo]

Really Long 2-Digit Divisor Practice (Set 2)

Instructions: Divide. Follow the procedure you learned from the video.   Remember, it's helpful to use estimating and some trial-and-error to figure out each division step.

1 $30\overline{)94{,}350}$

2 $18\overline{)43{,}794}$

3 $15\overline{)675{,}420}$

4 $80\overline{)188{,}560}$

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