Solved Long Division Problems with Step-By-Step Walkthrough

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed Solutions are on page 2

(1)	(2)	(3)
375 5792	735 3161	236 5735

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Steps:

(1) Divide

(2) Multiply

(3) Subtract

(4) Bring down the next number

(5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

(1)
$$15 R167$$

 $375 5792$

$$- 375 (1x375)$$

$$2042$$

$$- 1875 (5x375)$$
Remainder --> 167

Divide, Multiply, Subtract, Bring down, Repeat

Divide 375 into 579 (= 1) Multiply 1 times 375 (= 375) Subtract 375 from 579 (= 204) Bring down the 2

Divide 375 into 2042 (= 5) Multiply 5 times 375 (= 1875) Subtract 1875 from 2042 (= 167) Done. No more numbers to bring down.

Divide, Multiply, Subtract, Bring down, Repeat

Divide 735 into 3161 (= 4)
Multiply 4 times 735 (= 2940)
Subtract 2940 from 3161 (= 221)
Done. No more numbers to bring down.

(3)
$$\begin{array}{r}
24 \text{ R71} \\
236 \overline{\smash)5735} \\
-\underline{472} \\
1015 \\
-\underline{944} \\
Remainder --> \\
\end{array}$$
(2 x 236)

Divide, Multiply, Subtract, Bring down, Repeat

Divide 236 into 573 (= 2) Multiply 2 times 236 (= 472) Subtract 472 from 573 (= 101) Bring down the 5

Divide 236 into 1015 (= 4)
Multiply 4 times 236 (= 944)
Subtract 944 from 1015 (= 71)
Done. No more numbers to bring down.