

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)

$$96 \overline{) 55280}$$

(2)

$$97 \overline{) 16760}$$

(3)

$$41 \overline{) 69771}$$

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

<p>(1)</p> $ \begin{array}{r} 575 \text{ R}80 \\ 96 \overline{) 55280} \\ \underline{- 480} \quad (5 \times 96) \\ 728 \\ \underline{- 672} \quad (7 \times 96) \\ 560 \\ \underline{- 480} \quad (5 \times 96) \\ \text{Remainder --> } 80 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 96 into 552 (= 5) Multiply 5 times 96 (= 480) Subtract 480 from 552 (= 72) Bring down the 8</p> <p>Divide 96 into 728 (= 7) Multiply 7 times 96 (= 672) Subtract 672 from 728 (= 56) Bring down the 0</p> <p>Divide 96 into 560 (= 5) Multiply 5 times 96 (= 480) Subtract 480 from 560 (= 80) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 172 \text{ R}76 \\ 97 \overline{) 16760} \\ \underline{- 97} \quad (1 \times 97) \\ 706 \\ \underline{- 679} \quad (7 \times 97) \\ 270 \\ \underline{- 194} \quad (2 \times 97) \\ \text{Remainder --> } 76 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 97 into 167 (= 1) Multiply 1 times 97 (= 97) Subtract 97 from 167 (= 70) Bring down the 6</p> <p>Divide 97 into 706 (= 7) Multiply 7 times 97 (= 679) Subtract 679 from 706 (= 27) Bring down the 0</p> <p>Divide 97 into 270 (= 2) Multiply 2 times 97 (= 194) Subtract 194 from 270 (= 76) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 1701 \text{ R}30 \\ 41 \overline{) 69771} \\ \underline{- 41} \quad (1 \times 41) \\ 287 \\ \underline{- 287} \quad (7 \times 41) \\ 07 \\ \underline{- 0} \quad (0 \times 41) \\ 71 \\ \underline{- 41} \quad (1 \times 41) \\ \text{Remainder --> } 30 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 41 into 69 (= 1) Multiply 1 times 41 (= 41) Subtract 41 from 69 (= 28) Bring down the 7</p> <p>Divide 41 into 287 (= 7) Multiply 7 times 41 (= 287) Subtract 287 from 287 (= 0) Bring down the 7</p> <p>Divide 41 into 07 (= 0) Multiply 0 times 41 (= 0) Subtract 0 from 07 (= 7) Bring down the 1</p> <p>Divide 41 into 71 (= 1) Multiply 1 times 41 (= 41) Subtract 41 from 71 (= 30) Done. No more numbers to bring down.</p>
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