

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)

$$2 \overline{)237}$$

(2)

$$3 \overline{)276}$$

(3)

$$7 \overline{)695}$$

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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} 118 \text{ R}1 \\ 2 \overline{) 237} \\ \underline{- 2} \qquad (1 \times 2) \\ 03 \\ \underline{- 2} \qquad (1 \times 2) \\ 17 \\ \underline{- 16} \qquad (8 \times 2) \\ 1 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 2 into 2 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 2 (= 0) Bring down the 3</p> <p>Divide 2 into 03 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 03 (= 1) Bring down the 7</p> <p>Divide 2 into 17 (= 8) Multiply 8 times 2 (= 16) Subtract 16 from 17 (= 1) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 92 \text{ R}0 \\ 3 \overline{) 276} \\ \underline{- 27} \qquad (9 \times 3) \\ 06 \\ \underline{- 6} \qquad (2 \times 3) \\ 0 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 27 (= 9) Multiply 9 times 3 (= 27) Subtract 27 from 27 (= 0) Bring down the 6</p> <p>Divide 3 into 06 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 06 (= 0) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 99 \text{ R}2 \\ 7 \overline{) 695} \\ \underline{- 63} \qquad (9 \times 7) \\ 65 \\ \underline{- 63} \qquad (9 \times 7) \\ 2 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 7 into 69 (= 9) Multiply 9 times 7 (= 63) Subtract 63 from 69 (= 6) Bring down the 5</p> <p>Divide 7 into 65 (= 9) Multiply 9 times 7 (= 63) Subtract 63 from 65 (= 2) Done. No more numbers to bring down.</p>
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