

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)

$$5 \overline{)693}$$

(2)

$$8 \overline{)616}$$

(3)

$$3 \overline{)287}$$

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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} 138 \text{ R}3 \\ 5 \overline{) 693} \\ \underline{- 5} \qquad (1 \times 5) \\ 19 \\ \underline{- 15} \qquad (3 \times 5) \\ 43 \\ \underline{- 40} \qquad (8 \times 5) \\ 3 \\ \text{Remainder --> } 3 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 6 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 6 (= 1) Bring down the 9</p> <p>Divide 5 into 19 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 19 (= 4) Bring down the 3</p> <p>Divide 5 into 43 (= 8) Multiply 8 times 5 (= 40) Subtract 40 from 43 (= 3) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 77 \text{ R}0 \\ 8 \overline{) 616} \\ \underline{- 56} \qquad (7 \times 8) \\ 56 \\ \underline{- 56} \qquad (7 \times 8) \\ 0 \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 61 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 61 (= 5) Bring down the 6</p> <p>Divide 8 into 56 (= 7) Multiply 7 times 8 (= 56) Subtract 56 from 56 (= 0) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 95 \text{ R}2 \\ 3 \overline{) 287} \\ \underline{- 27} \qquad (9 \times 3) \\ 17 \\ \underline{- 15} \qquad (5 \times 3) \\ 2 \\ \text{Remainder --> } 2 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 28 (= 9) Multiply 9 times 3 (= 27) Subtract 27 from 28 (= 1) Bring down the 7</p> <p>Divide 3 into 17 (= 5) Multiply 5 times 3 (= 15) Subtract 15 from 17 (= 2) Done. No more numbers to bring down.</p>
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