

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)

$$8 \overline{) 555}$$

(2)

$$3 \overline{) 690}$$

(3)

$$8 \overline{) 153}$$

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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} 69 \text{ R}3 \\ 8 \overline{) 555} \\ \underline{- 48} \qquad (6 \times 8) \\ 75 \\ \underline{- 72} \qquad (9 \times 8) \\ \text{Remainder --> } 3 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 55 (= 6) Multiply 6 times 8 (= 48) Subtract 48 from 55 (= 7) Bring down the 5</p> <p>Divide 8 into 75 (= 9) Multiply 9 times 8 (= 72) Subtract 72 from 75 (= 3) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 230 \text{ R}0 \\ 3 \overline{) 690} \\ \underline{- 6} \qquad (2 \times 3) \\ 09 \\ \underline{- 9} \qquad (3 \times 3) \\ 00 \\ \underline{- 0} \qquad (0 \times 3) \\ \text{Remainder --> } 0 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 3 into 6 (= 2) Multiply 2 times 3 (= 6) Subtract 6 from 6 (= 0) Bring down the 9</p> <p>Divide 3 into 09 (= 3) Multiply 3 times 3 (= 9) Subtract 9 from 09 (= 0) Bring down the 0</p> <p>Divide 3 into 00 (= 0) Multiply 0 times 3 (= 0) Subtract 0 from 00 (= 0) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 19 \text{ R}1 \\ 8 \overline{) 153} \\ \underline{- 8} \qquad (1 \times 8) \\ 73 \\ \underline{- 72} \qquad (9 \times 8) \\ \text{Remainder --> } 1 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 15 (= 1) Multiply 1 times 8 (= 8) Subtract 8 from 15 (= 7) Bring down the 3</p> <p>Divide 8 into 73 (= 9) Multiply 9 times 8 (= 72) Subtract 72 from 73 (= 1) Done. No more numbers to bring down.</p>
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