

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)

$$253 \overline{) 28829}$$

(2)

$$578 \overline{) 26952}$$

(3)

$$485 \overline{) 67058}$$

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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} 113 \text{ R}240 \\ 253 \overline{) 28829} \\ \underline{- 253} \quad (1 \times 253) \\ 352 \\ \underline{- 253} \quad (1 \times 253) \\ 999 \\ \underline{- 759} \quad (3 \times 253) \\ \text{Remainder --> } 240 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 253 into 288 (= 1) Multiply 1 times 253 (= 253) Subtract 253 from 288 (= 35) Bring down the 2</p> <p>Divide 253 into 352 (= 1) Multiply 1 times 253 (= 253) Subtract 253 from 352 (= 99) Bring down the 9</p> <p>Divide 253 into 999 (= 3) Multiply 3 times 253 (= 759) Subtract 759 from 999 (= 240) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 46 \text{ R}364 \\ 578 \overline{) 26952} \\ \underline{- 2312} \quad (4 \times 578) \\ 3832 \\ \underline{- 3468} \quad (6 \times 578) \\ \text{Remainder --> } 364 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 578 into 2695 (= 4) Multiply 4 times 578 (= 2312) Subtract 2312 from 2695 (= 383) Bring down the 2</p> <p>Divide 578 into 3832 (= 6) Multiply 6 times 578 (= 3468) Subtract 3468 from 3832 (= 364) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 138 \text{ R}128 \\ 485 \overline{) 67058} \\ \underline{- 485} \quad (1 \times 485) \\ 1855 \\ \underline{- 1455} \quad (3 \times 485) \\ 4008 \\ \underline{- 3880} \quad (8 \times 485) \\ \text{Remainder --> } 128 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 485 into 670 (= 1) Multiply 1 times 485 (= 485) Subtract 485 from 670 (= 185) Bring down the 5</p> <p>Divide 485 into 1855 (= 3) Multiply 3 times 485 (= 1455) Subtract 1455 from 1855 (= 400) Bring down the 8</p> <p>Divide 485 into 4008 (= 8) Multiply 8 times 485 (= 3880) Subtract 3880 from 4008 (= 128) Done. No more numbers to bring down.</p>
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