

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)

$$877 \overline{) 9650}$$

(2)

$$328 \overline{) 6983}$$

(3)

$$583 \overline{) 3438}$$

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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} 11 \text{ R}3 \\ 877 \overline{) 9650} \\ \underline{- 877} \quad (1 \times 877) \\ 880 \\ \underline{- 877} \quad (1 \times 877) \\ \text{Remainder --> } 3 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 877 into 965 (= 1) Multiply 1 times 877 (= 877) Subtract 877 from 965 (= 88) Bring down the 0</p> <p>Divide 877 into 880 (= 1) Multiply 1 times 877 (= 877) Subtract 877 from 880 (= 3) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 21 \text{ R}95 \\ 328 \overline{) 6983} \\ \underline{- 656} \quad (2 \times 328) \\ 423 \\ \underline{- 328} \quad (1 \times 328) \\ \text{Remainder --> } 95 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 328 into 698 (= 2) Multiply 2 times 328 (= 656) Subtract 656 from 698 (= 42) Bring down the 3</p> <p>Divide 328 into 423 (= 1) Multiply 1 times 328 (= 328) Subtract 328 from 423 (= 95) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 5 \text{ R}523 \\ 583 \overline{) 3438} \\ \underline{- 2915} \quad (5 \times 583) \\ \text{Remainder --> } 523 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 583 into 3438 (= 5) Multiply 5 times 583 (= 2915) Subtract 2915 from 3438 (= 523) Done. No more numbers to bring down.</p>
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