

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)

$$582 \overline{) 9103}$$

(2)

$$751 \overline{) 6552}$$

(3)

$$794 \overline{) 2233}$$

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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} 15 \text{ R}373 \\ 582 \overline{) 9103} \\ \underline{- 582} \qquad (1 \times 582) \\ 3283 \\ \underline{- 2910} \qquad (5 \times 582) \\ \text{Remainder --> } 373 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 582 into 910 (= 1) Multiply 1 times 582 (= 582) Subtract 582 from 910 (= 328) Bring down the 3</p> <p>Divide 582 into 3283 (= 5) Multiply 5 times 582 (= 2910) Subtract 2910 from 3283 (= 373) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 8 \text{ R}544 \\ 751 \overline{) 6552} \\ \underline{- 6008} \qquad (8 \times 751) \\ \text{Remainder --> } 544 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 751 into 6552 (= 8) Multiply 8 times 751 (= 6008) Subtract 6008 from 6552 (= 544) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 2 \text{ R}645 \\ 794 \overline{) 2233} \\ \underline{- 1588} \qquad (2 \times 794) \\ \text{Remainder --> } 645 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 794 into 2233 (= 2) Multiply 2 times 794 (= 1588) Subtract 1588 from 2233 (= 645) Done. No more numbers to bring down.</p>
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