

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)

$$93 \overline{)6155}$$

(2)

$$69 \overline{)9851}$$

(3)

$$14 \overline{)2486}$$

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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} 66 \text{ R}17 \\ 93 \overline{) 6155} \\ \underline{- 558} \quad (6 \times 93) \\ 575 \\ \underline{- 558} \quad (6 \times 93) \\ \text{Remainder --> } 17 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 93 into 615 (= 6) Multiply 6 times 93 (= 558) Subtract 558 from 615 (= 57) Bring down the 5</p> <p>Divide 93 into 575 (= 6) Multiply 6 times 93 (= 558) Subtract 558 from 575 (= 17) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 142 \text{ R}53 \\ 69 \overline{) 9851} \\ \underline{- 69} \quad (1 \times 69) \\ 295 \\ \underline{- 276} \quad (4 \times 69) \\ 191 \\ \underline{- 138} \quad (2 \times 69) \\ \text{Remainder --> } 53 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 69 into 98 (= 1) Multiply 1 times 69 (= 69) Subtract 69 from 98 (= 29) Bring down the 5</p> <p>Divide 69 into 295 (= 4) Multiply 4 times 69 (= 276) Subtract 276 from 295 (= 19) Bring down the 1</p> <p>Divide 69 into 191 (= 2) Multiply 2 times 69 (= 138) Subtract 138 from 191 (= 53) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 177 \text{ R}8 \\ 14 \overline{) 2486} \\ \underline{- 14} \quad (1 \times 14) \\ 108 \\ \underline{- 98} \quad (7 \times 14) \\ 106 \\ \underline{- 98} \quad (7 \times 14) \\ \text{Remainder --> } 8 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 14 into 24 (= 1) Multiply 1 times 14 (= 14) Subtract 14 from 24 (= 10) Bring down the 8</p> <p>Divide 14 into 108 (= 7) Multiply 7 times 14 (= 98) Subtract 98 from 108 (= 10) Bring down the 6</p> <p>Divide 14 into 106 (= 7) Multiply 7 times 14 (= 98) Subtract 98 from 106 (= 8) Done. No more numbers to bring down.</p>
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