

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)

$$776 \overline{) 2324}$$

(2)

$$771 \overline{) 8520}$$

(3)

$$507 \overline{) 7810}$$

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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $\begin{array}{r} 2 \text{ R}772 \\ 776 \overline{) 2324} \\ \underline{- 1552} \quad (2 \times 776) \\ \text{Remainder --> } 772 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 776 into 2324 (= 2) Multiply 2 times 776 (= 1552) Subtract 1552 from 2324 (= 772) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 11 \text{ R}39 \\ 771 \overline{) 8520} \\ \underline{- 771} \quad (1 \times 771) \\ 810 \\ \underline{- 771} \quad (1 \times 771) \\ \text{Remainder --> } 39 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 771 into 852 (= 1) Multiply 1 times 771 (= 771) Subtract 771 from 852 (= 81) Bring down the 0</p> <p>Divide 771 into 810 (= 1) Multiply 1 times 771 (= 771) Subtract 771 from 810 (= 39) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 15 \text{ R}205 \\ 507 \overline{) 7810} \\ \underline{- 507} \quad (1 \times 507) \\ 2740 \\ \underline{- 2535} \quad (5 \times 507) \\ \text{Remainder --> } 205 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 507 into 781 (= 1) Multiply 1 times 507 (= 507) Subtract 507 from 781 (= 274) Bring down the 0</p> <p>Divide 507 into 2740 (= 5) Multiply 5 times 507 (= 2535) Subtract 2535 from 2740 (= 205) Done. No more numbers to bring down.</p>
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