

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)

$$59 \overline{) 377}$$

(2)

$$48 \overline{) 407}$$

(3)

$$48 \overline{) 525}$$

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

<p>(1)</p> $\begin{array}{r} 6 \text{ R}23 \\ 59 \overline{) 377} \\ \underline{- 354} \\ 23 \end{array} \quad (6 \times 59)$ <p>Remainder --> 23</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 59 into 377 (= 6) Multiply 6 times 59 (= 354) Subtract 354 from 377 (= 23) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 8 \text{ R}23 \\ 48 \overline{) 407} \\ \underline{- 384} \\ 23 \end{array} \quad (8 \times 48)$ <p>Remainder --> 23</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 48 into 407 (= 8) Multiply 8 times 48 (= 384) Subtract 384 from 407 (= 23) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 10 \text{ R}45 \\ 48 \overline{) 525} \\ \underline{- 48} \\ 45 \\ \underline{- 0} \\ 45 \end{array} \quad \begin{array}{l} (1 \times 48) \\ (0 \times 48) \end{array}$ <p>Remainder --> 45</p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 48 into 52 (= 1) Multiply 1 times 48 (= 48) Subtract 48 from 52 (= 4) Bring down the 5</p> <p>Divide 48 into 45 (= 0) Multiply 0 times 48 (= 0) Subtract 0 from 45 (= 45) Done. No more numbers to bring down.</p>
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