

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)

$$8 \overline{)45}$$

(2)

$$6 \overline{)52}$$

(3)

$$6 \overline{)23}$$

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

<p>(1)</p> $\begin{array}{r} 5 \text{ R}5 \\ 8 \overline{)45} \\ \underline{-40} \\ 5 \end{array} \quad (5 \times 8)$ <p><i>Remainder --> 5</i></p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 8 into 45 (= 5) Multiply 5 times 8 (= 40) Subtract 40 from 45 (= 5) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 8 \text{ R}4 \\ 6 \overline{)52} \\ \underline{-48} \\ 4 \end{array} \quad (8 \times 6)$ <p><i>Remainder --> 4</i></p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 6 into 52 (= 8) Multiply 8 times 6 (= 48) Subtract 48 from 52 (= 4) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 3 \text{ R}5 \\ 6 \overline{)23} \\ \underline{-18} \\ 5 \end{array} \quad (3 \times 6)$ <p><i>Remainder --> 5</i></p> <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 6 into 23 (= 3) Multiply 3 times 6 (= 18) Subtract 18 from 23 (= 5) Done. No more numbers to bring down.</p>
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