

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)

$$65 \overline{) 22860}$$

(2)

$$70 \overline{) 75614}$$

(3)

$$43 \overline{) 96207}$$

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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} 351 \text{ R}45 \\ 65 \overline{) 22860} \\ \underline{- 195} \quad (3 \times 65) \\ 336 \\ \underline{- 325} \quad (5 \times 65) \\ 110 \\ \underline{- 65} \quad (1 \times 65) \\ \text{Remainder --> } 45 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 65 into 228 (= 3) Multiply 3 times 65 (= 195) Subtract 195 from 228 (= 33) Bring down the 6</p> <p>Divide 65 into 336 (= 5) Multiply 5 times 65 (= 325) Subtract 325 from 336 (= 11) Bring down the 0</p> <p>Divide 65 into 110 (= 1) Multiply 1 times 65 (= 65) Subtract 65 from 110 (= 45) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 1080 \text{ R}14 \\ 70 \overline{) 75614} \\ \underline{- 70} \quad (1 \times 70) \\ 56 \\ \underline{- 0} \quad (0 \times 70) \\ 561 \\ \underline{- 560} \quad (8 \times 70) \\ 14 \\ \underline{- 0} \quad (0 \times 70) \\ \text{Remainder --> } 14 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 70 into 75 (= 1) Multiply 1 times 70 (= 70) Subtract 70 from 75 (= 5) Bring down the 6</p> <p>Divide 70 into 56 (= 0) Multiply 0 times 70 (= 0) Subtract 0 from 56 (= 56) Bring down the 1</p> <p>Divide 70 into 561 (= 8) Multiply 8 times 70 (= 560) Subtract 560 from 561 (= 1) Bring down the 4</p> <p>Divide 70 into 14 (= 0) Multiply 0 times 70 (= 0) Subtract 0 from 14 (= 14) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 2237 \text{ R}16 \\ 43 \overline{) 96207} \\ \underline{- 86} \quad (2 \times 43) \\ 102 \\ \underline{- 86} \quad (2 \times 43) \\ 160 \\ \underline{- 129} \quad (3 \times 43) \\ 317 \\ \underline{- 301} \quad (7 \times 43) \\ \text{Remainder --> } 16 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 43 into 96 (= 2) Multiply 2 times 43 (= 86) Subtract 86 from 96 (= 10) Bring down the 2</p> <p>Divide 43 into 102 (= 2) Multiply 2 times 43 (= 86) Subtract 86 from 102 (= 16) Bring down the 0</p> <p>Divide 43 into 160 (= 3) Multiply 3 times 43 (= 129) Subtract 129 from 160 (= 31) Bring down the 7</p> <p>Divide 43 into 317 (= 7) Multiply 7 times 43 (= 301) Subtract 301 from 317 (= 16) Done. No more numbers to bring down.</p>
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