

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)

$$984 \overline{) 856135}$$

(2)

$$376 \overline{) 326641}$$

(3)

$$535 \overline{) 825830}$$

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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} 870 \text{ R}55 \\ 984 \overline{) 856135} \\ \underline{- 7872} \quad (8 \times 984) \\ 6893 \\ \underline{- 6888} \quad (7 \times 984) \\ 55 \\ \underline{- 0} \quad (0 \times 984) \\ \text{Remainder --> } 55 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 984 into 8561 (= 8) Multiply 8 times 984 (= 7872) Subtract 7872 from 8561 (= 689) Bring down the 3</p> <p>Divide 984 into 6893 (= 7) Multiply 7 times 984 (= 6888) Subtract 6888 from 6893 (= 5) Bring down the 5</p> <p>Divide 984 into 55 (= 0) Multiply 0 times 984 (= 0) Subtract 0 from 55 (= 55) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 868 \text{ R}273 \\ 376 \overline{) 326641} \\ \underline{- 3008} \quad (8 \times 376) \\ 2584 \\ \underline{- 2256} \quad (6 \times 376) \\ 3281 \\ \underline{- 3008} \quad (8 \times 376) \\ \text{Remainder --> } 273 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 376 into 3266 (= 8) Multiply 8 times 376 (= 3008) Subtract 3008 from 3266 (= 258) Bring down the 4</p> <p>Divide 376 into 2584 (= 6) Multiply 6 times 376 (= 2256) Subtract 2256 from 2584 (= 328) Bring down the 1</p> <p>Divide 376 into 3281 (= 8) Multiply 8 times 376 (= 3008) Subtract 3008 from 3281 (= 273) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 1543 \text{ R}325 \\ 535 \overline{) 825830} \\ \underline{- 535} \quad (1 \times 535) \\ 2908 \\ \underline{- 2675} \quad (5 \times 535) \\ 2333 \\ \underline{- 2140} \quad (4 \times 535) \\ 1930 \\ \underline{- 1605} \quad (3 \times 535) \\ \text{Remainder --> } 325 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 535 into 825 (= 1) Multiply 1 times 535 (= 535) Subtract 535 from 825 (= 290) Bring down the 8</p> <p>Divide 535 into 2908 (= 5) Multiply 5 times 535 (= 2675) Subtract 2675 from 2908 (= 233) Bring down the 3</p> <p>Divide 535 into 2333 (= 4) Multiply 4 times 535 (= 2140) Subtract 2140 from 2333 (= 193) Bring down the 0</p> <p>Divide 535 into 1930 (= 3) Multiply 3 times 535 (= 1605) Subtract 1605 from 1930 (= 325) Done. No more numbers to bring down.</p>
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