

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)

$$736 \overline{) 56091}$$

(2)

$$300 \overline{) 28541}$$

(3)

$$320 \overline{) 63964}$$

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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} 76 \text{ R}155 \\ 736 \overline{) 56091} \\ \underline{- 5152} \quad (7 \times 736) \\ 4571 \\ \underline{- 4416} \quad (6 \times 736) \\ \text{Remainder --> } 155 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 736 into 5609 (= 7) Multiply 7 times 736 (= 5152) Subtract 5152 from 5609 (= 457) Bring down the 1</p> <p>Divide 736 into 4571 (= 6) Multiply 6 times 736 (= 4416) Subtract 4416 from 4571 (= 155) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 95 \text{ R}41 \\ 300 \overline{) 28541} \\ \underline{- 2700} \quad (9 \times 300) \\ 1541 \\ \underline{- 1500} \quad (5 \times 300) \\ \text{Remainder --> } 41 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 300 into 2854 (= 9) Multiply 9 times 300 (= 2700) Subtract 2700 from 2854 (= 154) Bring down the 1</p> <p>Divide 300 into 1541 (= 5) Multiply 5 times 300 (= 1500) Subtract 1500 from 1541 (= 41) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 199 \text{ R}284 \\ 320 \overline{) 63964} \\ \underline{- 320} \quad (1 \times 320) \\ 3196 \\ \underline{- 2880} \quad (9 \times 320) \\ 3164 \\ \underline{- 2880} \quad (9 \times 320) \\ \text{Remainder --> } 284 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 320 into 639 (= 1) Multiply 1 times 320 (= 320) Subtract 320 from 639 (= 319) Bring down the 6</p> <p>Divide 320 into 3196 (= 9) Multiply 9 times 320 (= 2880) Subtract 2880 from 3196 (= 316) Bring down the 4</p> <p>Divide 320 into 3164 (= 9) Multiply 9 times 320 (= 2880) Subtract 2880 from 3164 (= 284) Done. No more numbers to bring down.</p>
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