

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)

$$27 \overline{) 326397}$$

(2)

$$95 \overline{) 893301}$$

(3)

$$95 \overline{) 540550}$$

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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} 12088 \text{ R}21 \\ 27 \overline{) 326397} \\ \underline{- 27} \qquad (1 \times 27) \\ 56 \\ \underline{- 54} \qquad (2 \times 27) \\ 23 \\ \underline{- 0} \qquad (0 \times 27) \\ 239 \\ \underline{- 216} \qquad (8 \times 27) \\ 237 \\ \underline{- 216} \qquad (8 \times 27) \\ 21 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 27 into 32 (= 1) Multiply 1 times 27 (= 27) Subtract 27 from 32 (= 5) Bring down the 6</p> <p>Divide 27 into 56 (= 2) Multiply 2 times 27 (= 54) Subtract 54 from 56 (= 2) Bring down the 3</p> <p>Divide 27 into 23 (= 0) Multiply 0 times 27 (= 0) Subtract 0 from 23 (= 23) Bring down the 9</p> <p>Divide 27 into 239 (= 8) Multiply 8 times 27 (= 216) Subtract 216 from 239 (= 23) Bring down the 7</p> <p>Divide 27 into 237 (= 8) Multiply 8 times 27 (= 216) Subtract 216 from 237 (= 21) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 9403 \text{ R}16 \\ 95 \overline{) 893301} \\ \underline{- 855} \qquad (9 \times 95) \\ 383 \\ \underline{- 380} \qquad (4 \times 95) \\ 30 \\ \underline{- 0} \qquad (0 \times 95) \\ 301 \\ \underline{- 285} \qquad (3 \times 95) \\ 16 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 95 into 893 (= 9) Multiply 9 times 95 (= 855) Subtract 855 from 893 (= 38) Bring down the 3</p> <p>Divide 95 into 383 (= 4) Multiply 4 times 95 (= 380) Subtract 380 from 383 (= 3) Bring down the 0</p> <p>Divide 95 into 30 (= 0) Multiply 0 times 95 (= 0) Subtract 0 from 30 (= 30) Bring down the 1</p> <p>Divide 95 into 301 (= 3) Multiply 3 times 95 (= 285) Subtract 285 from 301 (= 16) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 5690 \text{ R}0 \\ 95 \overline{) 540550} \\ \underline{- 475} \qquad (5 \times 95) \\ 655 \\ \underline{- 570} \qquad (6 \times 95) \\ 855 \\ \underline{- 855} \qquad (9 \times 95) \\ 00 \\ \underline{- 0} \qquad (0 \times 95) \\ 0 \\ \text{Remainder -->} \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 95 into 540 (= 5) Multiply 5 times 95 (= 475) Subtract 475 from 540 (= 65) Bring down the 5</p> <p>Divide 95 into 655 (= 6) Multiply 6 times 95 (= 570) Subtract 570 from 655 (= 85) Bring down the 5</p> <p>Divide 95 into 855 (= 9) Multiply 9 times 95 (= 855) Subtract 855 from 855 (= 0) Bring down the 0</p> <p>Divide 95 into 00 (= 0) Multiply 0 times 95 (= 0) Subtract 0 from 00 (= 0) Done. No more numbers to bring down.</p>
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