

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)

$$32 \overline{) 6631}$$

(2)

$$48 \overline{) 3932}$$

(3)

$$19 \overline{) 2564}$$

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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} 207 \text{ R}7 \\ 32 \overline{) 6631} \\ \underline{- 64} \qquad (2 \times 32) \\ 23 \\ \underline{- 0} \qquad (0 \times 32) \\ 231 \\ \underline{- 224} \qquad (7 \times 32) \\ \text{Remainder --> } 7 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 32 into 66 (= 2) Multiply 2 times 32 (= 64) Subtract 64 from 66 (= 2) Bring down the 3</p> <p>Divide 32 into 23 (= 0) Multiply 0 times 32 (= 0) Subtract 0 from 23 (= 23) Bring down the 1</p> <p>Divide 32 into 231 (= 7) Multiply 7 times 32 (= 224) Subtract 224 from 231 (= 7) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 81 \text{ R}44 \\ 48 \overline{) 3932} \\ \underline{- 384} \qquad (8 \times 48) \\ 92 \\ \underline{- 48} \qquad (1 \times 48) \\ \text{Remainder --> } 44 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 48 into 393 (= 8) Multiply 8 times 48 (= 384) Subtract 384 from 393 (= 9) Bring down the 2</p> <p>Divide 48 into 92 (= 1) Multiply 1 times 48 (= 48) Subtract 48 from 92 (= 44) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 134 \text{ R}18 \\ 19 \overline{) 2564} \\ \underline{- 19} \qquad (1 \times 19) \\ 66 \\ \underline{- 57} \qquad (3 \times 19) \\ 94 \\ \underline{- 76} \qquad (4 \times 19) \\ \text{Remainder --> } 18 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 19 into 25 (= 1) Multiply 1 times 19 (= 19) Subtract 19 from 25 (= 6) Bring down the 6</p> <p>Divide 19 into 66 (= 3) Multiply 3 times 19 (= 57) Subtract 57 from 66 (= 9) Bring down the 4</p> <p>Divide 19 into 94 (= 4) Multiply 4 times 19 (= 76) Subtract 76 from 94 (= 18) Done. No more numbers to bring down.</p>
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