

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)

$$9 \overline{) 4624}$$

(2)

$$6 \overline{) 3993}$$

(3)

$$2 \overline{) 3194}$$

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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $\begin{array}{r} 513 \text{ R}7 \\ 9 \overline{)4624} \\ \underline{-45} \quad (5 \times 9) \\ 12 \\ \underline{-9} \quad (1 \times 9) \\ 34 \\ \underline{-27} \quad (3 \times 9) \\ \text{Remainder --> } 7 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 9 into 46 (= 5) Multiply 5 times 9 (= 45) Subtract 45 from 46 (= 1) Bring down the 2</p> <p>Divide 9 into 12 (= 1) Multiply 1 times 9 (= 9) Subtract 9 from 12 (= 3) Bring down the 4</p> <p>Divide 9 into 34 (= 3) Multiply 3 times 9 (= 27) Subtract 27 from 34 (= 7) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 665 \text{ R}3 \\ 6 \overline{)3993} \\ \underline{-36} \quad (6 \times 6) \\ 39 \\ \underline{-36} \quad (6 \times 6) \\ 33 \\ \underline{-30} \quad (5 \times 6) \\ \text{Remainder --> } 3 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 6 into 39 (= 6) Multiply 6 times 6 (= 36) Subtract 36 from 39 (= 3) Bring down the 9</p> <p>Divide 6 into 39 (= 6) Multiply 6 times 6 (= 36) Subtract 36 from 39 (= 3) Bring down the 3</p> <p>Divide 6 into 33 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 33 (= 3) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 1597 \text{ R}0 \\ 2 \overline{)3194} \\ \underline{-2} \quad (1 \times 2) \\ 11 \\ \underline{-10} \quad (5 \times 2) \\ 19 \\ \underline{-18} \quad (9 \times 2) \\ 14 \\ \underline{-14} \quad (7 \times 2) \\ \text{Remainder --> } 0 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 2 into 3 (= 1) Multiply 1 times 2 (= 2) Subtract 2 from 3 (= 1) Bring down the 1</p> <p>Divide 2 into 11 (= 5) Multiply 5 times 2 (= 10) Subtract 10 from 11 (= 1) Bring down the 9</p> <p>Divide 2 into 19 (= 9) Multiply 9 times 2 (= 18) Subtract 18 from 19 (= 1) Bring down the 4</p> <p>Divide 2 into 14 (= 7) Multiply 7 times 2 (= 14) Subtract 14 from 14 (= 0) Done. No more numbers to bring down.</p>
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