

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)

$$918 \overline{)9264694}$$

(2)

$$947 \overline{)7751417}$$

(3)

$$104 \overline{)7022651}$$

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

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

<p>(1)</p> $ \begin{array}{r} 10092 \text{ R}238 \\ 918 \overline{)9264694} \\ - 918 \\ \hline 84 \\ - 0 \\ \hline 846 \\ - 0 \\ \hline 8469 \\ - 8262 \\ \hline 2074 \\ - 1836 \\ \hline \text{Remainder -->} \quad 238 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 918 into 926 (= 1) Multiply 1 times 918 (= 918) Subtract 918 from 926 (= 8) Bring down the 4</p> <p>Divide 918 into 84 (= 0) Multiply 0 times 918 (= 0) Subtract 0 from 84 (= 84) Bring down the 6</p> <p>Divide 918 into 846 (= 0) Multiply 0 times 918 (= 0) Subtract 0 from 846 (= 846) Bring down the 9</p> <p>Divide 918 into 8469 (= 9) Multiply 9 times 918 (= 8262) Subtract 8262 from 8469 (= 207) Bring down the 4</p> <p>Divide 918 into 2074 (= 2) Multiply 2 times 918 (= 1836) Subtract 1836 from 2074 (= 238) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 8185 \text{ R}222 \\ 947 \overline{)7751417} \\ - 7576 \\ \hline 1754 \\ - 947 \\ \hline 8071 \\ - 7576 \\ \hline 4957 \\ - 4735 \\ \hline 222 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 947 into 7751 (= 8) Multiply 8 times 947 (= 7576) Subtract 7576 from 7751 (= 175) Bring down the 4</p> <p>Divide 947 into 1754 (= 1) Multiply 1 times 947 (= 947) Subtract 947 from 1754 (= 807) Bring down the 1</p> <p>Divide 947 into 8071 (= 8) Multiply 8 times 947 (= 7576) Subtract 7576 from 8071 (= 495) Bring down the 7</p> <p>Divide 947 into 4957 (= 5) Multiply 5 times 947 (= 4735) Subtract 4735 from 4957 (= 222) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 67525 \text{ R}51 \\ 104 \overline{)7022651} \\ - 624 \\ \hline 782 \\ - 728 \\ \hline 546 \\ - 520 \\ \hline 265 \\ - 208 \\ \hline 571 \\ - 520 \\ \hline 51 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 104 into 702 (= 6) Multiply 6 times 104 (= 624) Subtract 624 from 702 (= 78) Bring down the 2</p> <p>Divide 104 into 782 (= 7) Multiply 7 times 104 (= 728) Subtract 728 from 782 (= 54) Bring down the 6</p> <p>Divide 104 into 546 (= 5) Multiply 5 times 104 (= 520) Subtract 520 from 546 (= 26) Bring down the 5</p> <p>Divide 104 into 265 (= 2) Multiply 2 times 104 (= 208) Subtract 208 from 265 (= 57) Bring down the 1</p> <p>Divide 104 into 571 (= 5) Multiply 5 times 104 (= 520) Subtract 520 from 571 (= 51) Done. No more numbers to bring down.</p>
--	---	--