

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)

$$29 \overline{)6217520}$$

(2)

$$19 \overline{)9597970}$$

(3)

$$69 \overline{)9337121}$$

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

$ \begin{array}{r} 214397 \text{ R7} \\ 29 \overline{)6217520} \\ - 58 \\ \hline 41 \\ - 29 \\ \hline 127 \\ - 116 \\ \hline 115 \\ - 87 \\ \hline 282 \\ - 261 \\ \hline 210 \\ - 203 \\ \hline \text{Remainder -->} \quad 7 \end{array} $	$ \begin{array}{r} 505156 \text{ R6} \\ 19 \overline{)9597970} \\ - 95 \\ \hline 09 \\ - 0 \\ \hline 97 \\ - 95 \\ \hline 29 \\ - 19 \\ \hline 107 \\ - 95 \\ \hline 120 \\ - 114 \\ \hline 6 \end{array} $	$ \begin{array}{r} 135320 \text{ R41} \\ 69 \overline{)9337121} \\ - 69 \\ \hline 243 \\ - 207 \\ \hline 367 \\ - 345 \\ \hline 221 \\ - 207 \\ \hline 142 \\ - 138 \\ \hline 41 \\ - 0 \\ \hline 41 \end{array} $
<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 29 into 62 (= 2) Multiply 2 times 29 (= 58) Subtract 58 from 62 (= 4) Bring down the 1</p> <p>Divide 29 into 41 (= 1) Multiply 1 times 29 (= 29) Subtract 29 from 41 (= 12) Bring down the 7</p> <p>Divide 29 into 127 (= 4) Multiply 4 times 29 (= 116) Subtract 116 from 127 (= 11) Bring down the 5</p> <p>Divide 29 into 115 (= 3) Multiply 3 times 29 (= 87) Subtract 87 from 115 (= 28) Bring down the 2</p> <p>Divide 29 into 282 (= 9) Multiply 9 times 29 (= 261) Subtract 261 from 282 (= 21) Bring down the 0</p> <p>Divide 29 into 210 (= 7) Multiply 7 times 29 (= 203) Subtract 203 from 210 (= 7) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 19 into 95 (= 5) Multiply 5 times 19 (= 95) Subtract 95 from 95 (= 0) Bring down the 9</p> <p>Divide 19 into 09 (= 0) Multiply 0 times 19 (= 0) Subtract 0 from 09 (= 9) Bring down the 7</p> <p>Divide 19 into 97 (= 5) Multiply 5 times 19 (= 95) Subtract 95 from 97 (= 2) Bring down the 9</p> <p>Divide 19 into 29 (= 1) Multiply 1 times 19 (= 19) Subtract 19 from 29 (= 10) Bring down the 7</p> <p>Divide 19 into 107 (= 5) Multiply 5 times 19 (= 95) Subtract 95 from 107 (= 12) Bring down the 0</p> <p>Divide 19 into 120 (= 6) Multiply 6 times 19 (= 114) Subtract 114 from 120 (= 6) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 69 into 93 (= 1) Multiply 1 times 69 (= 69) Subtract 69 from 93 (= 24) Bring down the 3</p> <p>Divide 69 into 243 (= 3) Multiply 3 times 69 (= 207) Subtract 207 from 243 (= 36) Bring down the 7</p> <p>Divide 69 into 367 (= 5) Multiply 5 times 69 (= 345) Subtract 345 from 367 (= 22) Bring down the 1</p> <p>Divide 69 into 221 (= 3) Multiply 3 times 69 (= 207) Subtract 207 from 221 (= 14) Bring down the 2</p> <p>Divide 69 into 142 (= 2) Multiply 2 times 69 (= 138) Subtract 138 from 142 (= 4) Bring down the 1</p> <p>Divide 69 into 41 (= 0) Multiply 0 times 69 (= 0) Subtract 0 from 41 (= 41) Done. No more numbers to bring down.</p>