

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)

$$9 \overline{)6602490}$$

(2)

$$6 \overline{)3178284}$$

(3)

$$5 \overline{)6980002}$$

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

$ \begin{array}{r} 733610 \text{ R0} \\ 9 \overline{)6602490} \\ - 63 \\ \hline 30 \\ - 27 \\ \hline 32 \\ - 27 \\ \hline 54 \\ - 54 \\ \hline 09 \\ - 9 \\ \hline 00 \\ - 0 \\ \hline \text{Remainder -->} \quad 0 \end{array} $	$ \begin{array}{r} 529714 \text{ R0} \\ 6 \overline{)3178284} \\ - 30 \\ \hline 17 \\ - 12 \\ \hline 58 \\ - 54 \\ \hline 42 \\ - 42 \\ \hline 08 \\ - 6 \\ \hline 24 \\ - 24 \\ \hline 0 \\ \hline \text{Remainder -->} \quad 0 \end{array} $	$ \begin{array}{r} 1396000 \text{ R2} \\ 5 \overline{)6980002} \\ - 5 \\ \hline 19 \\ - 15 \\ \hline 48 \\ - 45 \\ \hline 30 \\ - 30 \\ \hline 00 \\ - 0 \\ \hline 00 \\ - 0 \\ \hline 02 \\ - 0 \\ \hline 2 \end{array} $
<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 9 into 66 (= 7) Multiply 7 times 9 (= 63) Subtract 63 from 66 (= 3) Bring down the 0</p> <p>Divide 9 into 30 (= 3) Multiply 3 times 9 (= 27) Subtract 27 from 30 (= 3) Bring down the 2</p> <p>Divide 9 into 32 (= 3) Multiply 3 times 9 (= 27) Subtract 27 from 32 (= 5) Bring down the 4</p> <p>Divide 9 into 54 (= 6) Multiply 6 times 9 (= 54) Subtract 54 from 54 (= 0) Bring down the 9</p> <p>Divide 9 into 09 (= 1) Multiply 1 times 9 (= 9) Subtract 9 from 09 (= 0) Bring down the 0</p> <p>Divide 9 into 00 (= 0) Multiply 0 times 9 (= 0) Subtract 0 from 00 (= 0) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 6 into 31 (= 5) Multiply 5 times 6 (= 30) Subtract 30 from 31 (= 1) Bring down the 7</p> <p>Divide 6 into 17 (= 2) Multiply 2 times 6 (= 12) Subtract 12 from 17 (= 5) Bring down the 8</p> <p>Divide 6 into 58 (= 9) Multiply 9 times 6 (= 54) Subtract 54 from 58 (= 4) Bring down the 2</p> <p>Divide 6 into 42 (= 7) Multiply 7 times 6 (= 42) Subtract 42 from 42 (= 0) Bring down the 8</p> <p>Divide 6 into 08 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 08 (= 2) Bring down the 4</p> <p>Divide 6 into 24 (= 4) Multiply 4 times 6 (= 24) Subtract 24 from 24 (= 0) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 5 into 6 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 6 (= 1) Bring down the 9</p> <p>Divide 5 into 19 (= 3) Multiply 3 times 5 (= 15) Subtract 15 from 19 (= 4) Bring down the 8</p> <p>Divide 5 into 48 (= 9) Multiply 9 times 5 (= 45) Subtract 45 from 48 (= 3) Bring down the 0</p> <p>Divide 5 into 30 (= 6) Multiply 6 times 5 (= 30) Subtract 30 from 30 (= 0) Bring down the 0</p> <p>Divide 5 into 00 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 00 (= 0) Bring down the 0</p> <p>Divide 5 into 00 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 00 (= 0) Bring down the 2</p>
		<p>Divide 5 into 02 (= 0) Multiply 0 times 5 (= 0) Subtract 0 from 02 (= 2) Done. No more numbers to bring down.</p>