

# 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)

$$71 \overline{)7330658}$$

(2)

$$16 \overline{)2892634}$$

(3)

$$75 \overline{)5374428}$$

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

$  \begin{array}{r}  103248 \text{ R}50 \\  71 \overline{)7330658} \\  - 71 \\  \hline  23 \\  - 0 \\  \hline  230 \\  - 213 \\  \hline  176 \\  - 142 \\  \hline  345 \\  - 284 \\  \hline  618 \\  - 568 \\  \hline  \text{Remainder -->} \quad 50  \end{array}  $	$  \begin{array}{r}  180789 \text{ R}10 \\  16 \overline{)2892634} \\  - 16 \\  \hline  129 \\  - 128 \\  \hline  12 \\  - 0 \\  \hline  126 \\  - 112 \\  \hline  143 \\  - 128 \\  \hline  154 \\  - 144 \\  \hline  \text{Remainder -->} \quad 10  \end{array}  $	$  \begin{array}{r}  71659 \text{ R}3 \\  75 \overline{)5374428} \\  - 525 \\  \hline  124 \\  - 75 \\  \hline  494 \\  - 450 \\  \hline  442 \\  - 375 \\  \hline  678 \\  - 675 \\  \hline  \text{Remainder -->} \quad 3  \end{array}  $
<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 71 into 73 (= 1) Multiply 1 times 71 (= 71) Subtract 71 from 73 (= 2) Bring down the 3</p> <p>Divide 71 into 23 (= 0) Multiply 0 times 71 (= 0) Subtract 0 from 23 (= 23) Bring down the 0</p> <p>Divide 71 into 230 (= 3) Multiply 3 times 71 (= 213) Subtract 213 from 230 (= 17) Bring down the 6</p> <p>Divide 71 into 176 (= 2) Multiply 2 times 71 (= 142) Subtract 142 from 176 (= 34) Bring down the 5</p> <p>Divide 71 into 345 (= 4) Multiply 4 times 71 (= 284) Subtract 284 from 345 (= 61) Bring down the 8</p> <p>Divide 71 into 618 (= 8) Multiply 8 times 71 (= 568) Subtract 568 from 618 (= 50) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 16 into 28 (= 1) Multiply 1 times 16 (= 16) Subtract 16 from 28 (= 12) Bring down the 9</p> <p>Divide 16 into 129 (= 8) Multiply 8 times 16 (= 128) Subtract 128 from 129 (= 1) Bring down the 2</p> <p>Divide 16 into 12 (= 0) Multiply 0 times 16 (= 0) Subtract 0 from 12 (= 12) Bring down the 6</p> <p>Divide 16 into 126 (= 7) Multiply 7 times 16 (= 112) Subtract 112 from 126 (= 14) Bring down the 3</p> <p>Divide 16 into 143 (= 8) Multiply 8 times 16 (= 128) Subtract 128 from 143 (= 15) Bring down the 4</p> <p>Divide 16 into 154 (= 9) Multiply 9 times 16 (= 144) Subtract 144 from 154 (= 10) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 75 into 537 (= 7) Multiply 7 times 75 (= 525) Subtract 525 from 537 (= 12) Bring down the 4</p> <p>Divide 75 into 124 (= 1) Multiply 1 times 75 (= 75) Subtract 75 from 124 (= 49) Bring down the 4</p> <p>Divide 75 into 494 (= 6) Multiply 6 times 75 (= 450) Subtract 450 from 494 (= 44) Bring down the 2</p> <p>Divide 75 into 442 (= 5) Multiply 5 times 75 (= 375) Subtract 375 from 442 (= 67) Bring down the 8</p> <p>Divide 75 into 678 (= 9) Multiply 9 times 75 (= 675) Subtract 675 from 678 (= 3) Done. No more numbers to bring down.</p>