

# 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)

$$6 \overline{)5872329}$$

(2)

$$9 \overline{)1966015}$$

(3)

$$9 \overline{)5955064}$$

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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}  978721 \text{ R3} \\  6 \overline{)5872329} \\  - 54 \\  \hline  47 \\  - 42 \\  \hline  52 \\  - 48 \\  \hline  43 \\  - 42 \\  \hline  12 \\  - 12 \\  \hline  09 \\  - 6 \\  \hline  \text{Remainder --> } 3  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  218446 \text{ R1} \\  9 \overline{)1966015} \\  - 18 \\  \hline  16 \\  - 9 \\  \hline  76 \\  - 72 \\  \hline  40 \\  - 36 \\  \hline  41 \\  - 36 \\  \hline  55 \\  - 54 \\  \hline  1  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  661673 \text{ R7} \\  9 \overline{)5955064} \\  - 54 \\  \hline  55 \\  - 54 \\  \hline  15 \\  - 9 \\  \hline  60 \\  - 54 \\  \hline  66 \\  - 63 \\  \hline  34 \\  - 27 \\  \hline  7  \end{array}  $
<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 6 into 58 (= 9) Multiply 9 times 6 (= 54) Subtract 54 from 58 (= 4) Bring down the 7</p> <p>Divide 6 into 47 (= 7) Multiply 7 times 6 (= 42) Subtract 42 from 47 (= 5) Bring down the 2</p> <p>Divide 6 into 52 (= 8) Multiply 8 times 6 (= 48) Subtract 48 from 52 (= 4) Bring down the 3</p> <p>Divide 6 into 43 (= 7) Multiply 7 times 6 (= 42) Subtract 42 from 43 (= 1) Bring down the 2</p> <p>Divide 6 into 12 (= 2) Multiply 2 times 6 (= 12) Subtract 12 from 12 (= 0) Bring down the 9</p> <p>Divide 6 into 09 (= 1) Multiply 1 times 6 (= 6) Subtract 6 from 09 (= 3) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 9 into 19 (= 2) Multiply 2 times 9 (= 18) Subtract 18 from 19 (= 1) Bring down the 6</p> <p>Divide 9 into 16 (= 1) Multiply 1 times 9 (= 9) Subtract 9 from 16 (= 7) Bring down the 6</p> <p>Divide 9 into 76 (= 8) Multiply 8 times 9 (= 72) Subtract 72 from 76 (= 4) Bring down the 0</p> <p>Divide 9 into 40 (= 4) Multiply 4 times 9 (= 36) Subtract 36 from 40 (= 4) Bring down the 1</p> <p>Divide 9 into 41 (= 4) Multiply 4 times 9 (= 36) Subtract 36 from 41 (= 5) Bring down the 5</p> <p>Divide 9 into 55 (= 6) Multiply 6 times 9 (= 54) Subtract 54 from 55 (= 1) Done. No more numbers to bring down.</p>	<p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 9 into 59 (= 6) Multiply 6 times 9 (= 54) Subtract 54 from 59 (= 5) Bring down the 5</p> <p>Divide 9 into 55 (= 6) Multiply 6 times 9 (= 54) Subtract 54 from 55 (= 1) Bring down the 5</p> <p>Divide 9 into 15 (= 1) Multiply 1 times 9 (= 9) Subtract 9 from 15 (= 6) Bring down the 0</p> <p>Divide 9 into 60 (= 6) Multiply 6 times 9 (= 54) Subtract 54 from 60 (= 6) Bring down the 6</p> <p>Divide 9 into 66 (= 7) Multiply 7 times 9 (= 63) Subtract 63 from 66 (= 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>