

# 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)

$$30 \overline{)3507}$$

(2)

$$19 \overline{)6832}$$

(3)

$$33 \overline{)4806}$$

# 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}  116 \text{ R}27 \\  30 \overline{)3507} \\  - 30 \\  \hline  50 \\  - 30 \\  \hline  207 \\  - 180 \\  \hline  \text{Remainder --> } 27  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 30 into 35 (= 1) Multiply 1 times 30 (= 30) Subtract 30 from 35 (= 5) Bring down the 0</p> <p>Divide 30 into 50 (= 1) Multiply 1 times 30 (= 30) Subtract 30 from 50 (= 20) Bring down the 7</p> <p>Divide 30 into 207 (= 6) Multiply 6 times 30 (= 180) Subtract 180 from 207 (= 27) Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  359 \text{ R}11 \\  19 \overline{)6832} \\  - 57 \\  \hline  113 \\  - 95 \\  \hline  182 \\  - 171 \\  \hline  \text{Remainder --> } 11  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 19 into 68 (= 3) Multiply 3 times 19 (= 57) Subtract 57 from 68 (= 11) Bring down the 3</p> <p>Divide 19 into 113 (= 5) Multiply 5 times 19 (= 95) Subtract 95 from 113 (= 18) Bring down the 2</p> <p>Divide 19 into 182 (= 9) Multiply 9 times 19 (= 171) Subtract 171 from 182 (= 11) Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  145 \text{ R}21 \\  33 \overline{)4806} \\  - 33 \\  \hline  150 \\  - 132 \\  \hline  186 \\  - 165 \\  \hline  \text{Remainder --> } 21  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 33 into 48 (= 1) Multiply 1 times 33 (= 33) Subtract 33 from 48 (= 15) Bring down the 0</p> <p>Divide 33 into 150 (= 4) Multiply 4 times 33 (= 132) Subtract 132 from 150 (= 18) Bring down the 6</p> <p>Divide 33 into 186 (= 5) Multiply 5 times 33 (= 165) Subtract 165 from 186 (= 21) Done. No more numbers to bring down.</p>
--	--	---