

# 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)

$$22 \overline{)7295}$$

(2)

$$84 \overline{)6837}$$

(3)

$$89 \overline{)5807}$$

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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}  331 \text{ R}13 \\  22 \overline{)7295} \\  - 66 \\  \hline  69 \\  - 66 \\  \hline  35 \\  - 22 \\  \hline  \text{Remainder -->} \quad 13  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 22 into 72 (= 3) Multiply 3 times 22 (= 66) Subtract 66 from 72 (= 6) Bring down the 9</p> <p>Divide 22 into 69 (= 3) Multiply 3 times 22 (= 66) Subtract 66 from 69 (= 3) Bring down the 5</p> <p>Divide 22 into 35 (= 1) Multiply 1 times 22 (= 22) Subtract 22 from 35 (= 13) Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  81 \text{ R}33 \\  84 \overline{)6837} \\  - 672 \\  \hline  117 \\  - 84 \\  \hline  33  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 84 into 683 (= 8) Multiply 8 times 84 (= 672) Subtract 672 from 683 (= 11) Bring down the 7</p> <p>Divide 84 into 117 (= 1) Multiply 1 times 84 (= 84) Subtract 84 from 117 (= 33) Done. No more numbers to bring down.</p> <p>Remainder --&gt; 33</p>	<p>(3)</p> $  \begin{array}{r}  65 \text{ R}22 \\  89 \overline{)5807} \\  - 534 \\  \hline  467 \\  - 445 \\  \hline  22  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 89 into 580 (= 6) Multiply 6 times 89 (= 534) Subtract 534 from 580 (= 46) Bring down the 7</p> <p>Divide 89 into 467 (= 5) Multiply 5 times 89 (= 445) Subtract 445 from 467 (= 22) Done. No more numbers to bring down.</p> <p>Remainder --&gt; 22</p>
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