

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)

$$74 \overline{)456}$$

(2)

$$26 \overline{)948}$$

(3)

$$75 \overline{)263}$$

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

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| <p>(1)</p> $\begin{array}{r} 6 \text{ R}12 \\ 74 \overline{) 456} \\ \underline{- 444} \\ \text{Remainder --> } 12 \end{array} \quad (6 \times 74)$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 74 into 456 (= 6) Multiply 6 times 74 (= 444) Subtract 444 from 456 (= 12) Done. No more numbers to bring down.</p> | <p>(2)</p> $\begin{array}{r} 36 \text{ R}12 \\ 26 \overline{) 948} \\ \underline{- 78} \\ 168 \\ \underline{- 156} \\ \text{Remainder --> } 12 \end{array} \quad \begin{array}{l} (3 \times 26) \\ (6 \times 26) \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 26 into 94 (= 3) Multiply 3 times 26 (= 78) Subtract 78 from 94 (= 16) Bring down the 8</p> <p>Divide 26 into 168 (= 6) Multiply 6 times 26 (= 156) Subtract 156 from 168 (= 12) Done. No more numbers to bring down.</p> | <p>(3)</p> $\begin{array}{r} 3 \text{ R}38 \\ 75 \overline{) 263} \\ \underline{- 225} \\ \text{Remainder --> } 38 \end{array} \quad (3 \times 75)$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 75 into 263 (= 3) Multiply 3 times 75 (= 225) Subtract 225 from 263 (= 38) Done. No more numbers to bring down.</p> |
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