

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)

$$36 \overline{) 1008}$$

(2)

$$54 \overline{) 1922}$$

(3)

$$66 \overline{) 2209}$$

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

<p>(1)</p> $\begin{array}{r} 28 \text{ R}0 \\ 36 \overline{) 1008} \\ \underline{- 72} \quad (2 \times 36) \\ 288 \\ \underline{- 288} \quad (8 \times 36) \\ \text{Remainder --> } 0 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 36 into 100 (= 2) Multiply 2 times 36 (= 72) Subtract 72 from 100 (= 28) Bring down the 8</p> <p>Divide 36 into 288 (= 8) Multiply 8 times 36 (= 288) Subtract 288 from 288 (= 0) Done. No more numbers to bring down.</p>	<p>(2)</p> $\begin{array}{r} 35 \text{ R}32 \\ 54 \overline{) 1922} \\ \underline{- 162} \quad (3 \times 54) \\ 302 \\ \underline{- 270} \quad (5 \times 54) \\ \text{Remainder --> } 32 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 54 into 192 (= 3) Multiply 3 times 54 (= 162) Subtract 162 from 192 (= 30) Bring down the 2</p> <p>Divide 54 into 302 (= 5) Multiply 5 times 54 (= 270) Subtract 270 from 302 (= 32) Done. No more numbers to bring down.</p>	<p>(3)</p> $\begin{array}{r} 33 \text{ R}31 \\ 66 \overline{) 2209} \\ \underline{- 198} \quad (3 \times 66) \\ 229 \\ \underline{- 198} \quad (3 \times 66) \\ \text{Remainder --> } 31 \end{array}$ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 66 into 220 (= 3) Multiply 3 times 66 (= 198) Subtract 198 from 220 (= 22) Bring down the 9</p> <p>Divide 66 into 229 (= 3) Multiply 3 times 66 (= 198) Subtract 198 from 229 (= 31) Done. No more numbers to bring down.</p>
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