

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)

$$74 \overline{)6999}$$

(2)

$$57 \overline{)9421}$$

(3)

$$89 \overline{)2974}$$

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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} 94 \text{ R}43 \\ 74 \overline{) 6999} \\ \underline{- 666} \quad (9 \times 74) \\ 339 \\ \underline{- 296} \quad (4 \times 74) \\ \text{Remainder --> } 43 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 74 into 699 (= 9) Multiply 9 times 74 (= 666) Subtract 666 from 699 (= 33) Bring down the 9</p> <p>Divide 74 into 339 (= 4) Multiply 4 times 74 (= 296) Subtract 296 from 339 (= 43) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 165 \text{ R}16 \\ 57 \overline{) 9421} \\ \underline{- 57} \quad (1 \times 57) \\ 372 \\ \underline{- 342} \quad (6 \times 57) \\ 301 \\ \underline{- 285} \quad (5 \times 57) \\ \text{Remainder --> } 16 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 57 into 94 (= 1) Multiply 1 times 57 (= 57) Subtract 57 from 94 (= 37) Bring down the 2</p> <p>Divide 57 into 372 (= 6) Multiply 6 times 57 (= 342) Subtract 342 from 372 (= 30) Bring down the 1</p> <p>Divide 57 into 301 (= 5) Multiply 5 times 57 (= 285) Subtract 285 from 301 (= 16) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 33 \text{ R}37 \\ 89 \overline{) 2974} \\ \underline{- 267} \quad (3 \times 89) \\ 304 \\ \underline{- 267} \quad (3 \times 89) \\ \text{Remainder --> } 37 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 89 into 297 (= 3) Multiply 3 times 89 (= 267) Subtract 267 from 297 (= 30) Bring down the 4</p> <p>Divide 89 into 304 (= 3) Multiply 3 times 89 (= 267) Subtract 267 from 304 (= 37) Done. No more numbers to bring down.</p>
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