

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)

$$48 \overline{) 3612}$$

(2)

$$77 \overline{) 7445}$$

(3)

$$24 \overline{) 9275}$$

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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} 75 \text{ R}12 \\ 48 \overline{) 3612} \\ \underline{- 336} \quad (7 \times 48) \\ 252 \\ \underline{- 240} \quad (5 \times 48) \\ \text{Remainder --> } 12 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 48 into 361 (= 7) Multiply 7 times 48 (= 336) Subtract 336 from 361 (= 25) Bring down the 2</p> <p>Divide 48 into 252 (= 5) Multiply 5 times 48 (= 240) Subtract 240 from 252 (= 12) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 96 \text{ R}53 \\ 77 \overline{) 7445} \\ \underline{- 693} \quad (9 \times 77) \\ 515 \\ \underline{- 462} \quad (6 \times 77) \\ \text{Remainder --> } 53 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 77 into 744 (= 9) Multiply 9 times 77 (= 693) Subtract 693 from 744 (= 51) Bring down the 5</p> <p>Divide 77 into 515 (= 6) Multiply 6 times 77 (= 462) Subtract 462 from 515 (= 53) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 386 \text{ R}11 \\ 24 \overline{) 9275} \\ \underline{- 72} \quad (3 \times 24) \\ 207 \\ \underline{- 192} \quad (8 \times 24) \\ 155 \\ \underline{- 144} \quad (6 \times 24) \\ \text{Remainder --> } 11 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 24 into 92 (= 3) Multiply 3 times 24 (= 72) Subtract 72 from 92 (= 20) Bring down the 7</p> <p>Divide 24 into 207 (= 8) Multiply 8 times 24 (= 192) Subtract 192 from 207 (= 15) Bring down the 5</p> <p>Divide 24 into 155 (= 6) Multiply 6 times 24 (= 144) Subtract 144 from 155 (= 11) Done. No more numbers to bring down.</p>
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