

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)

$$99 \overline{) 492582}$$

(2)

$$99 \overline{) 988246}$$

(3)

$$57 \overline{) 684246}$$

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

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

<p>(1)</p> $ \begin{array}{r} 4975 \text{ R}57 \\ 99 \overline{) 492582} \\ \underline{- 396} \quad (4 \times 99) \\ 965 \\ \underline{- 891} \quad (9 \times 99) \\ 748 \\ \underline{- 693} \quad (7 \times 99) \\ 552 \\ \underline{- 495} \quad (5 \times 99) \\ \text{Remainder --> } 57 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 99 into 492 (= 4) Multiply 4 times 99 (= 396) Subtract 396 from 492 (= 96) Bring down the 5</p> <p>Divide 99 into 965 (= 9) Multiply 9 times 99 (= 891) Subtract 891 from 965 (= 74) Bring down the 8</p> <p>Divide 99 into 748 (= 7) Multiply 7 times 99 (= 693) Subtract 693 from 748 (= 55) Bring down the 2</p> <p>Divide 99 into 552 (= 5) Multiply 5 times 99 (= 495) Subtract 495 from 552 (= 57) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 9982 \text{ R}28 \\ 99 \overline{) 988246} \\ \underline{- 891} \quad (9 \times 99) \\ 972 \\ \underline{- 891} \quad (9 \times 99) \\ 814 \\ \underline{- 792} \quad (8 \times 99) \\ 226 \\ \underline{- 198} \quad (2 \times 99) \\ \text{Remainder --> } 28 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 99 into 988 (= 9) Multiply 9 times 99 (= 891) Subtract 891 from 988 (= 97) Bring down the 2</p> <p>Divide 99 into 972 (= 9) Multiply 9 times 99 (= 891) Subtract 891 from 972 (= 81) Bring down the 4</p> <p>Divide 99 into 814 (= 8) Multiply 8 times 99 (= 792) Subtract 792 from 814 (= 22) Bring down the 6</p> <p>Divide 99 into 226 (= 2) Multiply 2 times 99 (= 198) Subtract 198 from 226 (= 28) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 12004 \text{ R}18 \\ 57 \overline{) 684246} \\ \underline{- 57} \quad (1 \times 57) \\ 114 \\ \underline{- 114} \quad (2 \times 57) \\ 02 \\ \underline{- 0} \quad (0 \times 57) \\ 24 \\ \underline{- 0} \quad (0 \times 57) \\ 246 \\ \underline{- 228} \quad (4 \times 57) \\ \text{Remainder --> } 18 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 57 into 68 (= 1) Multiply 1 times 57 (= 57) Subtract 57 from 68 (= 11) Bring down the 4</p> <p>Divide 57 into 114 (= 2) Multiply 2 times 57 (= 114) Subtract 114 from 114 (= 0) Bring down the 2</p> <p>Divide 57 into 02 (= 0) Multiply 0 times 57 (= 0) Subtract 0 from 02 (= 2) Bring down the 4</p> <p>Divide 57 into 24 (= 0) Multiply 0 times 57 (= 0) Subtract 0 from 24 (= 24) Bring down the 6</p> <p>Divide 57 into 246 (= 4) Multiply 4 times 57 (= 228) Subtract 228 from 246 (= 18) Done. No more numbers to bring down.</p>
--	--	---