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)	(2)	(3)
4 12510	9 46212	5 94966

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

(2)

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

(1) $\begin{array}{c|cccc}
3127 & R2 \\
4 & 12510 \\
- & 12 & (3x4) \\
\hline
05 & & (1x4) \\
\hline
& 11 & & \\
& - 8 & (2x4) \\
\hline
& 30 & & \\
& - 28 & (7x4)
\end{array}$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4 into 12 (= 3) Multiply 3 times 4 (= 12) Subtract 12 from 12 (= 0) Bring down the 5

Remainder -->

Divide 4 into 05 (= 1) Multiply 1 times 4 (= 4) Subtract 4 from 05 (= 1) Bring down the 1

Divide 4 into 11 (= 2) Multiply 2 times 4 (= 8) Subtract 8 from 11 (= 3) Bring down the 0

Divide 4 into 30 (= 7) Multiply 7 times 4 (= 28) Subtract 28 from 30 (= 2)

Subtract 28 from 30 (= 2)Done. No more numbers to bring down.

Divide, Multiply, Subtract, Bring down, Repeat

Divide 9 into 46 (= 5)Multiply 5 times 9 (= 45)Subtract 45 from 46 (= 1)Bring down the 2

Divide 9 into 12 (=1) Multiply 1 times 9 (=9) Subtract 9 from 12 (=3) Bring down the 1

Divide 9 into 31 (= 3) Multiply 3 times 9 (= 27) Subtract 27 from 31 (= 4) Bring down the 2

Divide 9 into 42 (= 4)
Multiply 4 times 9 (= 36)
Subtract 36 from 42 (= 6)
Done. No more numbers to bring down.

(3) 18993 R1 5 | 94966 (1x5)44 40 (8x5)49 45 (9x5)46 45 (9x5)16 15 (3x5)Remainder -->

Divide, Multiply, Subtract, Bring down, Repeat

Divide 5 into 9 (= 1) Multiply 1 times 5 (= 5) Subtract 5 from 9 (= 4) Bring down the 4

Divide 5 into 44 (= 8) Multiply 8 times 5 (= 40) Subtract 40 from 44 (= 4) Bring down the 9

Divide 5 into 49 (=9) Multiply 9 times 5 (=45) Subtract 45 from 49 (=4) Bring down the 6

Divide 5 into 46 (=9) Multiply 9 times 5 (=45) Subtract 45 from 46 (=1) Bring down the 6

Divide 5 into 16 (= 3)

Multiply 3 times 5 (= 15)

Subtract 15 from 16 (= 1)

Done. No more numbers to bring down.