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)
168 197354	874 824029	261 115647

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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"

(4)
(1) 1174 R122
168 197354
- <u>168</u> (1x168)
293
- <u>168</u> (1x 168)
1255
- <u>1176</u> (7x 168)
794
- 672 (4x 168)
Remainder> 122

Divide, Multiply, Subtract, Bring down, Repeat

Divide 168 into 197 (= 1) Multiply 1 times 168 (= 168) Subtract 168 from 197 (= 29) Bring down the 3

Divide 168 into 293 (= 1) Multiply 1 times 168 (= 168) Subtract 168 from 293 (= 125) Bring down the 5

Divide 168 into 1255 (= 7) Multiply 7 times 168 (= 1176) Subtract 1176 from 1255 (= 79) Bring down the 4

Divide 168 into 794 (= 4)
Multiply 4 times 168 (= 672)
Subtract 672 from 794 (= 122)
Done. No more numbers to bring down.

(2) 942 R721 874 824029 - 7866 (9x874) 3742 - 3496 (4x874) 2469 - 1748 (2x874)Remainder --> 721

Divide, Multiply, Subtract, Bring down, Repeat

Divide 874 into 8240 (= 9) Multiply 9 times 874 (= 7866) Subtract 7866 from 8240 (= 374) Bring down the 2

Divide 874 into 3742 (= 4) Multiply 4 times 874 (= 3496) Subtract 3496 from 3742 (= 246) Bring down the 9

Divide 874 into 2469 (= 2)

Multiply 2 times 874 (= 1748)

Subtract 1748 from 2469 (= 721)

Done. No more numbers to bring down.

(3) $\begin{array}{r}
443 \text{ R24} \\
261 \overline{\smash)115647} \\
-\underline{1044} \\
1124 \\
-\underline{1044} \\
807 \\
-\underline{783} \\
Remainder -->
\end{array}$ (3x 261)

Divide, Multiply, Subtract, Bring down, Repeat

Divide 261 into 1156 (= 4) Multiply 4 times 261 (= 1044) Subtract 1044 from 1156 (= 112) Bring down the 4

Divide 261 into 1124 (= 4) Multiply 4 times 261 (= 1044) Subtract 1044 from 1124 (= 80) Bring down the 7

Divide 261 into 807 (= 3) Multiply 3 times 261 (= 783) Subtract 783 from 807 (= 24)

Done. No more numbers to bring down.