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)

190 | 295959

(2)

356 | 422946

(3)

284 | 123445

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

(1)

```
                1557 R129
        ┌─────────────
  190   │ 295959
        −  190              ( 1 x 190 )
          ─────
           1059
        −   950             ( 5 x 190 )
           ─────
           1095
        −   950             ( 5 x 190 )
           ─────
           1459
        −  1330             ( 7 x 190 )
           ─────
Remainder -->       129
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 190 into 295 (= 1)
Multiply 1 times 190 (= 190)
Subtract 190 from 295 (= 105)
Bring down the 9

Divide 190 into 1059 (= 5)
Multiply 5 times 190 (= 950)
Subtract 950 from 1059 (= 109)
Bring down the 5

Divide 190 into 1095 (= 5)
Multiply 5 times 190 (= 950)
Subtract 950 from 1095 (= 145)
Bring down the 9

Divide 190 into 1459 (= 7)
Multiply 7 times 190 (= 1330)
Subtract 1330 from 1459 (= 129)
Done. No more numbers to bring down.

(2)

```
                1188 R18
        ┌─────────────
  356   │ 422946
        −  356              ( 1 x 356 )
          ─────
           669
        −  356              ( 1 x 356 )
          ─────
           3134
        − 2848              ( 8 x 356 )
          ─────
           2866
        − 2848              ( 8 x 356 )
          ─────
Remainder -->       18
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 356 into 422 (= 1)
Multiply 1 times 356 (= 356)
Subtract 356 from 422 (= 66)
Bring down the 9

Divide 356 into 669 (= 1)
Multiply 1 times 356 (= 356)
Subtract 356 from 669 (= 313)
Bring down the 4

Divide 356 into 3134 (= 8)
Multiply 8 times 356 (= 2848)
Subtract 2848 from 3134 (= 286)
Bring down the 6

Divide 356 into 2866 (= 8)
Multiply 8 times 356 (= 2848)
Subtract 2848 from 2866 (= 18)
Done. No more numbers to bring down.

(3)

```
                434 R189
        ┌─────────────
  284   │ 123445
        − 1136              ( 4 x 284 )
          ─────
           984
        −  852              ( 3 x 284 )
          ─────
           1325
        − 1136              ( 4 x 284 )
          ─────
Remainder -->       189
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 284 into 1234 (= 4)
Multiply 4 times 284 (= 1136)
Subtract 1136 from 1234 (= 98)
Bring down the 4

Divide 284 into 984 (= 3)
Multiply 3 times 284 (= 852)
Subtract 852 from 984 (= 132)
Bring down the 5

Divide 284 into 1325 (= 4)
Multiply 4 times 284 (= 1136)
Subtract 1136 from 1325 (= 189)
Done. No more numbers to bring down.