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)

68 | 539

(2)

50 | 984

(3)

42 | 772

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

(1)
```
          7  R63
    _____
68 | 539
     − 476          ( 7 x 68 )
     _____
Remainder -->  63
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 68 into 539 (= 7)
Multiply 7 times 68 (= 476)
Subtract 476 from 539 (= 63)
Done. No more numbers to bring down.

(2)
```
          19  R34
    _____
50 | 984
     − 50           ( 1 x 50 )
     _____
       484
     − 450          ( 9 x 50 )
     _____
Remainder -->  34
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 50 into 98 (= 1)
Multiply 1 times 50 (= 50)
Subtract 50 from 98 (= 48)
Bring down the 4

Divide 50 into 484 (= 9)
Multiply 9 times 50 (= 450)
Subtract 450 from 484 (= 34)
Done. No more numbers to bring down.

(3)
```
          18  R16
    _____
42 | 772
     − 42           ( 1 x 42 )
     _____
       352
     − 336          ( 8 x 42 )
     _____
Remainder -->  16
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 42 into 77 (= 1)
Multiply 1 times 42 (= 42)
Subtract 42 from 77 (= 35)
Bring down the 2

Divide 42 into 352 (= 8)
Multiply 8 times 42 (= 336)
Subtract 336 from 352 (= 16)
Done. No more numbers to bring down.