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)

$73\overline{)1203}$

(2)

$60\overline{)8525}$

(3)

$72\overline{)8743}$

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

(1)

```
      16 R35
   ------
73 | 1203
     - 73        ( 1 x 73 )
     ----
      473
     - 438       ( 6 x 73 )
     ----
Remainder -->  35
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 73 into 120 (= 1)
Multiply 1 times 73 (= 73)
Subtract 73 from 120 (= 47)
Bring down the 3

Divide 73 into 473 (= 6)
Multiply 6 times 73 (= 438)
Subtract 438 from 473 (= 35)
Done. No more numbers to bring down.

(2)

```
     142 R5
   ------
60 | 8525
     - 60        ( 1 x 60 )
     ----
      252
     - 240       ( 4 x 60 )
     ----
      125
     - 120       ( 2 x 60 )
     ----
Remainder -->  5
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 60 into 85 (= 1)
Multiply 1 times 60 (= 60)
Subtract 60 from 85 (= 25)
Bring down the 2

Divide 60 into 252 (= 4)
Multiply 4 times 60 (= 240)
Subtract 240 from 252 (= 12)
Bring down the 5

Divide 60 into 125 (= 2)
Multiply 2 times 60 (= 120)
Subtract 120 from 125 (= 5)
Done. No more numbers to bring down.

(3)

```
     121 R31
   ------
72 | 8743
     - 72        ( 1 x 72 )
     ----
      154
     - 144       ( 2 x 72 )
     ----
      103
     - 72        ( 1 x 72 )
     ----
Remainder -->  31
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 72 into 87 (= 1)
Multiply 1 times 72 (= 72)
Subtract 72 from 87 (= 15)
Bring down the 4

Divide 72 into 154 (= 2)
Multiply 2 times 72 (= 144)
Subtract 144 from 154 (= 10)
Bring down the 3

Divide 72 into 103 (= 1)
Multiply 1 times 72 (= 72)
Subtract 72 from 103 (= 31)
Done. No more numbers to bring down.