

Name \_\_\_\_\_

Date \_\_\_\_\_

(1)

400043 | 870825906

(2)

139867 | 841316266

(3)

677452 | 710802574

Name \_\_\_\_\_

Date \_\_\_\_\_

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

(1)

$$\begin{array}{r}
 \phantom{400043} \overline{2176} \\
 400043 \overline{) 870825906} \\
 \underline{- 800086} \quad (2 \times 400043) \\
 707399 \\
 \underline{- 400043} \quad (1 \times 400043) \\
 3073560 \\
 \underline{- 2800301} \quad (7 \times 400043) \\
 2732596 \\
 \underline{- 2400258} \quad (6 \times 400043) \\
 \text{Remainder --> } 332338
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 400043 into 870825 (= 2)  
 Multiply 2 times 400043 (= 800086)  
 Subtract 800086 from 870825 (= 707399)  
 Bring down the 9

Divide 400043 into 707399 (= 1)  
 Multiply 1 times 400043 (= 400043)  
 Subtract 400043 from 707399 (= 307356)  
 Bring down the 0

Divide 400043 into 3073560 (= 7)  
 Multiply 7 times 400043 (= 2800301)  
 Subtract 2800301 from 3073560 (= 273259)  
 Bring down the 6

Divide 400043 into 2732596 (= 6)  
 Multiply 6 times 400043 (= 2400258)  
 Subtract 2400258 from 2732596 (= 332338)  
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 \phantom{139867} \overline{6015} \\
 139867 \overline{) 841316266} \\
 \underline{- 839202} \quad (6 \times 139867) \\
 21142 \\
 \underline{- 0} \quad (0 \times 139867) \\
 211426 \\
 \underline{- 139867} \quad (1 \times 139867) \\
 715596 \\
 \underline{- 699335} \quad (5 \times 139867) \\
 \text{Remainder --> } 16261
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 139867 into 841316 (= 6)  
 Multiply 6 times 139867 (= 839202)  
 Subtract 839202 from 841316 (= 2114)  
 Bring down the 2

Divide 139867 into 21142 (= 0)  
 Multiply 0 times 139867 (= 0)  
 Subtract 0 from 21142 (= 21142)  
 Bring down the 6

Divide 139867 into 211426 (= 1)  
 Multiply 1 times 139867 (= 139867)  
 Subtract 139867 from 211426 (= 71559)  
 Bring down the 6

Divide 139867 into 715596 (= 5)  
 Multiply 5 times 139867 (= 699335)  
 Subtract 699335 from 715596 (= 16261)  
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 \phantom{677452} \overline{1049} \\
 677452 \overline{) 710802574} \\
 \underline{- 677452} \quad (1 \times 677452) \\
 333505 \\
 \underline{- 0} \quad (0 \times 677452) \\
 3335057 \\
 \underline{- 2709808} \quad (4 \times 677452) \\
 6252494 \\
 \underline{- 6097068} \quad (9 \times 677452) \\
 \text{Remainder --> } 155426
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 677452 into 710802 (= 1)  
 Multiply 1 times 677452 (= 677452)  
 Subtract 677452 from 710802 (= 33350)  
 Bring down the 5

Divide 677452 into 333505 (= 0)  
 Multiply 0 times 677452 (= 0)  
 Subtract 0 from 333505 (= 333505)  
 Bring down the 7

Divide 677452 into 3335057 (= 4)  
 Multiply 4 times 677452 (= 2709808)  
 Subtract 2709808 from 3335057 (= 625249)  
 Bring down the 4

Divide 677452 into 6252494 (= 9)  
 Multiply 9 times 677452 (= 6097068)  
 Subtract 6097068 from 6252494 (= 155426)  
 Done. No more numbers to bring down.