

Name \_\_\_\_\_

Date \_\_\_\_\_

(1)

4476 | 812639123

(2)

7030 | 924918776

(3)

8919 | 365926039

Name \_\_\_\_\_

Date \_\_\_\_\_

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

(1)

$$\begin{array}{r}
 181554 \text{ R}3419 \\
 4476 \overline{) 812639123} \\
 \underline{- 4476} \quad (1 \times 4476) \\
 36503 \\
 \underline{- 35808} \quad (8 \times 4476) \\
 6959 \\
 \underline{- 4476} \quad (1 \times 4476) \\
 24831 \\
 \underline{- 22380} \quad (5 \times 4476) \\
 24512 \\
 \underline{- 22380} \quad (5 \times 4476) \\
 21323 \\
 \underline{- 17904} \quad (4 \times 4476) \\
 \text{Remainder -->} \quad 3419
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4476 into 8126 (= 1)  
 Multiply 1 times 4476 (= 4476)  
 Subtract 4476 from 8126 (= 3650)  
 Bring down the 3

Divide 4476 into 36503 (= 8)  
 Multiply 8 times 4476 (= 35808)  
 Subtract 35808 from 36503 (= 695)  
 Bring down the 9

Divide 4476 into 6959 (= 1)  
 Multiply 1 times 4476 (= 4476)  
 Subtract 4476 from 6959 (= 2483)  
 Bring down the 1

Divide 4476 into 24831 (= 5)  
 Multiply 5 times 4476 (= 22380)  
 Subtract 22380 from 24831 (= 2451)  
 Bring down the 2

Divide 4476 into 24512 (= 5)  
 Multiply 5 times 4476 (= 22380)  
 Subtract 22380 from 24512 (= 2132)  
 Bring down the 3

Divide 4476 into 21323 (= 4)  
 Multiply 4 times 4476 (= 17904)  
 Subtract 17904 from 21323 (= 3419)  
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 131567 \text{ R}2766 \\
 7030 \overline{) 924918776} \\
 \underline{- 7030} \quad (1 \times 7030) \\
 22191 \\
 \underline{- 21090} \quad (3 \times 7030) \\
 11018 \\
 \underline{- 7030} \quad (1 \times 7030) \\
 39887 \\
 \underline{- 35150} \quad (5 \times 7030) \\
 47377 \\
 \underline{- 42180} \quad (6 \times 7030) \\
 51976 \\
 \underline{- 49210} \quad (7 \times 7030) \\
 \text{Remainder -->} \quad 2766
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7030 into 9249 (= 1)  
 Multiply 1 times 7030 (= 7030)  
 Subtract 7030 from 9249 (= 2219)  
 Bring down the 1

Divide 7030 into 22191 (= 3)  
 Multiply 3 times 7030 (= 21090)  
 Subtract 21090 from 22191 (= 1101)  
 Bring down the 8

Divide 7030 into 11018 (= 1)  
 Multiply 1 times 7030 (= 7030)  
 Subtract 7030 from 11018 (= 3988)  
 Bring down the 7

Divide 7030 into 39887 (= 5)  
 Multiply 5 times 7030 (= 35150)  
 Subtract 35150 from 39887 (= 4737)  
 Bring down the 7

Divide 7030 into 47377 (= 6)  
 Multiply 6 times 7030 (= 42180)  
 Subtract 42180 from 47377 (= 5197)  
 Bring down the 6

Divide 7030 into 51976 (= 7)  
 Multiply 7 times 7030 (= 49210)  
 Subtract 49210 from 51976 (= 2766)  
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 41027 \text{ R}6226 \\
 8919 \overline{) 365926039} \\
 \underline{- 35676} \quad (4 \times 8919) \\
 9166 \\
 \underline{- 8919} \quad (1 \times 8919) \\
 2470 \\
 \underline{- 0} \quad (0 \times 8919) \\
 24703 \\
 \underline{- 17838} \quad (2 \times 8919) \\
 68659 \\
 \underline{- 62433} \quad (7 \times 8919) \\
 \text{Remainder -->} \quad 6226
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8919 into 36592 (= 4)  
 Multiply 4 times 8919 (= 35676)  
 Subtract 35676 from 36592 (= 916)  
 Bring down the 6

Divide 8919 into 9166 (= 1)  
 Multiply 1 times 8919 (= 8919)  
 Subtract 8919 from 9166 (= 247)  
 Bring down the 0

Divide 8919 into 2470 (= 0)  
 Multiply 0 times 8919 (= 0)  
 Subtract 0 from 2470 (= 2470)  
 Bring down the 3

Divide 8919 into 24703 (= 2)  
 Multiply 2 times 8919 (= 17838)  
 Subtract 17838 from 24703 (= 6865)  
 Bring down the 9

Divide 8919 into 68659 (= 7)  
 Multiply 7 times 8919 (= 62433)  
 Subtract 62433 from 68659 (= 6226)  
 Done. No more numbers to bring down.