

Name _____

Date _____

(1)

4400 | 356652407

(2)

8882 | 139012125

(3)

7621 | 603823195

Name _____

Date _____

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

(1)

$$\begin{array}{r}
 81057 \text{ R}1607 \\
 4400 \overline{) 356652407} \\
 \underline{- 35200} \quad (8 \times 4400) \\
 4652 \\
 \underline{- 4400} \quad (1 \times 4400) \\
 2524 \\
 \underline{- 0} \quad (0 \times 4400) \\
 25240 \\
 \underline{- 22000} \quad (5 \times 4400) \\
 32407 \\
 \underline{- 30800} \quad (7 \times 4400) \\
 \text{Remainder --> } 1607
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4400 into 35665 (= 8)
 Multiply 8 times 4400 (= 35200)
 Subtract 35200 from 35665 (= 465)
 Bring down the 2

Divide 4400 into 4652 (= 1)
 Multiply 1 times 4400 (= 4400)
 Subtract 4400 from 4652 (= 252)
 Bring down the 4

Divide 4400 into 2524 (= 0)
 Multiply 0 times 4400 (= 0)
 Subtract 0 from 2524 (= 2524)
 Bring down the 0

Divide 4400 into 25240 (= 5)
 Multiply 5 times 4400 (= 22000)
 Subtract 22000 from 25240 (= 3240)
 Bring down the 7

Divide 4400 into 32407 (= 7)
 Multiply 7 times 4400 (= 30800)
 Subtract 30800 from 32407 (= 1607)
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 15650 \text{ R}8825 \\
 8882 \overline{) 139012125} \\
 \underline{- 8882} \quad (1 \times 8882) \\
 50192 \\
 \underline{- 44410} \quad (5 \times 8882) \\
 57821 \\
 \underline{- 53292} \quad (6 \times 8882) \\
 45292 \\
 \underline{- 44410} \quad (5 \times 8882) \\
 8825 \\
 \underline{- 0} \quad (0 \times 8882) \\
 \text{Remainder --> } 8825
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8882 into 13901 (= 1)
 Multiply 1 times 8882 (= 8882)
 Subtract 8882 from 13901 (= 5019)
 Bring down the 2

Divide 8882 into 50192 (= 5)
 Multiply 5 times 8882 (= 44410)
 Subtract 44410 from 50192 (= 5782)
 Bring down the 1

Divide 8882 into 57821 (= 6)
 Multiply 6 times 8882 (= 53292)
 Subtract 53292 from 57821 (= 4529)
 Bring down the 2

Divide 8882 into 45292 (= 5)
 Multiply 5 times 8882 (= 44410)
 Subtract 44410 from 45292 (= 882)
 Bring down the 5

Divide 8882 into 8825 (= 0)
 Multiply 0 times 8882 (= 0)
 Subtract 0 from 8825 (= 8825)
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 79231 \text{ R}3744 \\
 7621 \overline{) 603823195} \\
 \underline{- 53347} \quad (7 \times 7621) \\
 70353 \\
 \underline{- 68589} \quad (9 \times 7621) \\
 17641 \\
 \underline{- 15242} \quad (2 \times 7621) \\
 23999 \\
 \underline{- 22863} \quad (3 \times 7621) \\
 11365 \\
 \underline{- 7621} \quad (1 \times 7621) \\
 \text{Remainder --> } 3744
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7621 into 60382 (= 7)
 Multiply 7 times 7621 (= 53347)
 Subtract 53347 from 60382 (= 7035)
 Bring down the 3

Divide 7621 into 70353 (= 9)
 Multiply 9 times 7621 (= 68589)
 Subtract 68589 from 70353 (= 1764)
 Bring down the 1

Divide 7621 into 17641 (= 2)
 Multiply 2 times 7621 (= 15242)
 Subtract 15242 from 17641 (= 2399)
 Bring down the 9

Divide 7621 into 23999 (= 3)
 Multiply 3 times 7621 (= 22863)
 Subtract 22863 from 23999 (= 1136)
 Bring down the 5

Divide 7621 into 11365 (= 1)
 Multiply 1 times 7621 (= 7621)
 Subtract 7621 from 11365 (= 3744)
 Done. No more numbers to bring down.