

Name _____

Date _____

(1)

1089 | 768639281

(2)

4982 | 682498215

(3)

4178 | 100132131

Name _____

Date _____

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

(1)

$$\begin{array}{r}
 705821 \text{ R}212 \\
 1089 \overline{) 768639281} \\
 \underline{- 7623} \quad (7 \times 1089) \\
 633 \\
 \underline{- 0} \quad (0 \times 1089) \\
 6339 \\
 \underline{- 5445} \quad (5 \times 1089) \\
 8942 \\
 \underline{- 8712} \quad (8 \times 1089) \\
 2308 \\
 \underline{- 2178} \quad (2 \times 1089) \\
 1301 \\
 \underline{- 1089} \quad (1 \times 1089) \\
 \text{Remainder --> } 212
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 1089 into 7686 (= 7)
 Multiply 7 times 1089 (= 7623)
 Subtract 7623 from 7686 (= 63)
 Bring down the 3

Divide 1089 into 633 (= 0)
 Multiply 0 times 1089 (= 0)
 Subtract 0 from 633 (= 633)
 Bring down the 9

Divide 1089 into 6339 (= 5)
 Multiply 5 times 1089 (= 5445)
 Subtract 5445 from 6339 (= 894)
 Bring down the 2

Divide 1089 into 8942 (= 8)
 Multiply 8 times 1089 (= 8712)
 Subtract 8712 from 8942 (= 230)
 Bring down the 8

Divide 1089 into 2308 (= 2)
 Multiply 2 times 1089 (= 2178)
 Subtract 2178 from 2308 (= 130)
 Bring down the 1

Divide 1089 into 1301 (= 1)
 Multiply 1 times 1089 (= 1089)
 Subtract 1089 from 1301 (= 212)
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 136992 \text{ R}4071 \\
 4982 \overline{) 682498215} \\
 \underline{- 4982} \quad (1 \times 4982) \\
 18429 \\
 \underline{- 14946} \quad (3 \times 4982) \\
 34838 \\
 \underline{- 29892} \quad (6 \times 4982) \\
 49462 \\
 \underline{- 44838} \quad (9 \times 4982) \\
 46241 \\
 \underline{- 44838} \quad (9 \times 4982) \\
 14035 \\
 \underline{- 9964} \quad (2 \times 4982) \\
 \text{Remainder --> } 4071
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4982 into 6824 (= 1)
 Multiply 1 times 4982 (= 4982)
 Subtract 4982 from 6824 (= 1842)
 Bring down the 9

Divide 4982 into 18429 (= 3)
 Multiply 3 times 4982 (= 14946)
 Subtract 14946 from 18429 (= 3483)
 Bring down the 8

Divide 4982 into 34838 (= 6)
 Multiply 6 times 4982 (= 29892)
 Subtract 29892 from 34838 (= 4946)
 Bring down the 2

Divide 4982 into 49462 (= 9)
 Multiply 9 times 4982 (= 44838)
 Subtract 44838 from 49462 (= 4624)
 Bring down the 1

Divide 4982 into 46241 (= 9)
 Multiply 9 times 4982 (= 44838)
 Subtract 44838 from 46241 (= 1403)
 Bring down the 5

Divide 4982 into 14035 (= 2)
 Multiply 2 times 4982 (= 9964)
 Subtract 9964 from 14035 (= 4071)
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 23966 \text{ R}2183 \\
 4178 \overline{) 100132131} \\
 \underline{- 8356} \quad (2 \times 4178) \\
 16572 \\
 \underline{- 12534} \quad (3 \times 4178) \\
 40381 \\
 \underline{- 37602} \quad (9 \times 4178) \\
 27793 \\
 \underline{- 25068} \quad (6 \times 4178) \\
 27251 \\
 \underline{- 25068} \quad (6 \times 4178) \\
 \text{Remainder --> } 2183
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4178 into 10013 (= 2)
 Multiply 2 times 4178 (= 8356)
 Subtract 8356 from 10013 (= 1657)
 Bring down the 2

Divide 4178 into 16572 (= 3)
 Multiply 3 times 4178 (= 12534)
 Subtract 12534 from 16572 (= 4038)
 Bring down the 1

Divide 4178 into 40381 (= 9)
 Multiply 9 times 4178 (= 37602)
 Subtract 37602 from 40381 (= 2779)
 Bring down the 3

Divide 4178 into 27793 (= 6)
 Multiply 6 times 4178 (= 25068)
 Subtract 25068 from 27793 (= 2725)
 Bring down the 1

Divide 4178 into 27251 (= 6)
 Multiply 6 times 4178 (= 25068)
 Subtract 25068 from 27251 (= 2183)
 Done. No more numbers to bring down.