

Name _____

Date _____

(1)

886319 | 475475696

(2)

290892 | 742309599

(3)

211559 | 378283016

Name _____

Date _____

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

(1)

$$\begin{array}{r}
 \overline{) 475475696} \\
 886319 \overline{) 475475696} \\
 \underline{- 4431595} \quad (5 \times 886319) \\
 3231619 \\
 \underline{- 2658957} \quad (3 \times 886319) \\
 5726626 \\
 \underline{- 5317914} \quad (6 \times 886319) \\
 \text{Remainder -->} \quad 408712
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 886319 into 4754756 (= 5)
 Multiply 5 times 886319 (= 4431595)
 Subtract 4431595 from 4754756 (= 323161)
 Bring down the 9

Divide 886319 into 3231619 (= 3)
 Multiply 3 times 886319 (= 2658957)
 Subtract 2658957 from 3231619 (= 572662)
 Bring down the 6

Divide 886319 into 5726626 (= 6)
 Multiply 6 times 886319 (= 5317914)
 Subtract 5317914 from 5726626 (= 408712)
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 \overline{) 742309599} \\
 290892 \overline{) 742309599} \\
 \underline{- 581784} \quad (2 \times 290892) \\
 1605255 \\
 \underline{- 1454460} \quad (5 \times 290892) \\
 1507959 \\
 \underline{- 1454460} \quad (5 \times 290892) \\
 534999 \\
 \underline{- 290892} \quad (1 \times 290892) \\
 \text{Remainder -->} \quad 244107
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 290892 into 742309 (= 2)
 Multiply 2 times 290892 (= 581784)
 Subtract 581784 from 742309 (= 160525)
 Bring down the 5

Divide 290892 into 1605255 (= 5)
 Multiply 5 times 290892 (= 1454460)
 Subtract 1454460 from 1605255 (= 150795)
 Bring down the 9

Divide 290892 into 1507959 (= 5)
 Multiply 5 times 290892 (= 1454460)
 Subtract 1454460 from 1507959 (= 53499)
 Bring down the 9

Divide 290892 into 534999 (= 1)
 Multiply 1 times 290892 (= 290892)
 Subtract 290892 from 534999 (= 244107)
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 \overline{) 378283016} \\
 211559 \overline{) 378283016} \\
 \underline{- 211559} \quad (1 \times 211559) \\
 1667240 \\
 \underline{- 1480913} \quad (7 \times 211559) \\
 1863271 \\
 \underline{- 1692472} \quad (8 \times 211559) \\
 1707996 \\
 \underline{- 1692472} \quad (8 \times 211559) \\
 \text{Remainder -->} \quad 15524
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 211559 into 378283 (= 1)
 Multiply 1 times 211559 (= 211559)
 Subtract 211559 from 378283 (= 166724)
 Bring down the 0

Divide 211559 into 1667240 (= 7)
 Multiply 7 times 211559 (= 1480913)
 Subtract 1480913 from 1667240 (= 186327)
 Bring down the 1

Divide 211559 into 1863271 (= 8)
 Multiply 8 times 211559 (= 1692472)
 Subtract 1692472 from 1863271 (= 170799)
 Bring down the 6

Divide 211559 into 1707996 (= 8)
 Multiply 8 times 211559 (= 1692472)
 Subtract 1692472 from 1707996 (= 15524)
 Done. No more numbers to bring down.