

Name _____

Date _____

(1)

952131 | 472866743

(2)

742417 | 345486567

(3)

597628 | 605516606

Name _____

Date _____

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

(1)

$$\begin{array}{r}
 952131 \overline{) 472866743} \\
 \underline{- 3808524} \quad (4 \times 952131) \\
 9201434 \\
 \underline{- 8569179} \quad (9 \times 952131) \\
 6322553 \\
 \underline{- 5712786} \quad (6 \times 952131) \\
 \text{Remainder --> } 609767
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 952131 into 4728667 (= 4)
 Multiply 4 times 952131 (= 3808524)
 Subtract 3808524 from 4728667 (= 920143)
 Bring down the 4

Divide 952131 into 9201434 (= 9)
 Multiply 9 times 952131 (= 8569179)
 Subtract 8569179 from 9201434 (= 632255)
 Bring down the 3

Divide 952131 into 6322553 (= 6)
 Multiply 6 times 952131 (= 5712786)
 Subtract 5712786 from 6322553 (= 609767)
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 742417 \overline{) 345486567} \\
 \underline{- 2969668} \quad (4 \times 742417) \\
 4851976 \\
 \underline{- 4454502} \quad (6 \times 742417) \\
 3974747 \\
 \underline{- 3712085} \quad (5 \times 742417) \\
 \text{Remainder --> } 262662
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 742417 into 3454865 (= 4)
 Multiply 4 times 742417 (= 2969668)
 Subtract 2969668 from 3454865 (= 485197)
 Bring down the 6

Divide 742417 into 4851976 (= 6)
 Multiply 6 times 742417 (= 4454502)
 Subtract 4454502 from 4851976 (= 397474)
 Bring down the 7

Divide 742417 into 3974747 (= 5)
 Multiply 5 times 742417 (= 3712085)
 Subtract 3712085 from 3974747 (= 262662)
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 597628 \overline{) 605516606} \\
 \underline{- 597628} \quad (1 \times 597628) \\
 78886 \\
 \underline{- 0} \quad (0 \times 597628) \\
 788860 \\
 \underline{- 597628} \quad (1 \times 597628) \\
 1912326 \\
 \underline{- 1792884} \quad (3 \times 597628) \\
 \text{Remainder --> } 119442
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 597628 into 605516 (= 1)
 Multiply 1 times 597628 (= 597628)
 Subtract 597628 from 605516 (= 7888)
 Bring down the 6

Divide 597628 into 78886 (= 0)
 Multiply 0 times 597628 (= 0)
 Subtract 0 from 78886 (= 78886)
 Bring down the 0

Divide 597628 into 788860 (= 1)
 Multiply 1 times 597628 (= 597628)
 Subtract 597628 from 788860 (= 191232)
 Bring down the 6

Divide 597628 into 1912326 (= 3)
 Multiply 3 times 597628 (= 1792884)
 Subtract 1792884 from 1912326 (= 119442)
 Done. No more numbers to bring down.