

Name _____

Date _____

(1)

878242 | 961177145

(2)

687022 | 886297462

(3)

688098 | 801561904

Name _____

Date _____

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

(1)

$$\begin{array}{r}
 878242 \overline{) 961177145} \\
 \underline{- 878242} \quad (1 \times 878242) \\
 829351 \\
 \underline{- 0} \quad (0 \times 878242) \\
 8293514 \\
 \underline{- 7904178} \quad (9 \times 878242) \\
 3893365 \\
 \underline{- 3512968} \quad (4 \times 878242) \\
 \text{Remainder --> } 380397
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 878242 into 961177 (= 1)
 Multiply 1 times 878242 (= 878242)
 Subtract 878242 from 961177 (= 82935)
 Bring down the 1

Divide 878242 into 829351 (= 0)
 Multiply 0 times 878242 (= 0)
 Subtract 0 from 829351 (= 829351)
 Bring down the 4

Divide 878242 into 8293514 (= 9)
 Multiply 9 times 878242 (= 7904178)
 Subtract 7904178 from 8293514 (= 389336)
 Bring down the 5

Divide 878242 into 3893365 (= 4)
 Multiply 4 times 878242 (= 3512968)
 Subtract 3512968 from 3893365 (= 380397)
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 687022 \overline{) 886297462} \\
 \underline{- 687022} \quad (1 \times 687022) \\
 1992754 \\
 \underline{- 1374044} \quad (2 \times 687022) \\
 6187106 \\
 \underline{- 6183198} \quad (9 \times 687022) \\
 39082 \\
 \underline{- 0} \quad (0 \times 687022) \\
 \text{Remainder --> } 39082
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 687022 into 886297 (= 1)
 Multiply 1 times 687022 (= 687022)
 Subtract 687022 from 886297 (= 199275)
 Bring down the 4

Divide 687022 into 1992754 (= 2)
 Multiply 2 times 687022 (= 1374044)
 Subtract 1374044 from 1992754 (= 618710)
 Bring down the 6

Divide 687022 into 6187106 (= 9)
 Multiply 9 times 687022 (= 6183198)
 Subtract 6183198 from 6187106 (= 3908)
 Bring down the 2

Divide 687022 into 39082 (= 0)
 Multiply 0 times 687022 (= 0)
 Subtract 0 from 39082 (= 39082)
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 688098 \overline{) 801561904} \\
 \underline{- 688098} \quad (1 \times 688098) \\
 1134639 \\
 \underline{- 688098} \quad (1 \times 688098) \\
 4465410 \\
 \underline{- 4128588} \quad (6 \times 688098) \\
 3368224 \\
 \underline{- 2752392} \quad (4 \times 688098) \\
 \text{Remainder --> } 615832
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 688098 into 801561 (= 1)
 Multiply 1 times 688098 (= 688098)
 Subtract 688098 from 801561 (= 113463)
 Bring down the 9

Divide 688098 into 1134639 (= 1)
 Multiply 1 times 688098 (= 688098)
 Subtract 688098 from 1134639 (= 446541)
 Bring down the 0

Divide 688098 into 4465410 (= 6)
 Multiply 6 times 688098 (= 4128588)
 Subtract 4128588 from 4465410 (= 336822)
 Bring down the 4

Divide 688098 into 3368224 (= 4)
 Multiply 4 times 688098 (= 2752392)
 Subtract 2752392 from 3368224 (= 615832)
 Done. No more numbers to bring down.