

Name _____

Date _____

(1)

215319 | 639953008

(2)

385140 | 224019459

(3)

520916 | 726653174

Name _____

Date _____

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

(1)

$$\begin{array}{r}
 215319 \overline{) 639953008} \\
 \underline{- 430638} \quad (2 \times 215319) \\
 2093150 \\
 \underline{- 1937871} \quad (9 \times 215319) \\
 1552790 \\
 \underline{- 1507233} \quad (7 \times 215319) \\
 455578 \\
 \underline{- 430638} \quad (2 \times 215319) \\
 \text{Remainder -->} \quad 24940
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 215319 into 639953 (= 2)
 Multiply 2 times 215319 (= 430638)
 Subtract 430638 from 639953 (= 209315)
 Bring down the 0

Divide 215319 into 2093150 (= 9)
 Multiply 9 times 215319 (= 1937871)
 Subtract 1937871 from 2093150 (= 155279)
 Bring down the 0

Divide 215319 into 1552790 (= 7)
 Multiply 7 times 215319 (= 1507233)
 Subtract 1507233 from 1552790 (= 45557)
 Bring down the 8

Divide 215319 into 455578 (= 2)
 Multiply 2 times 215319 (= 430638)
 Subtract 430638 from 455578 (= 24940)
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 385140 \overline{) 224019459} \\
 \underline{- 1925700} \quad (5 \times 385140) \\
 3144945 \\
 \underline{- 3081120} \quad (8 \times 385140) \\
 638259 \\
 \underline{- 385140} \quad (1 \times 385140) \\
 \text{Remainder -->} \quad 253119
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 385140 into 2240194 (= 5)
 Multiply 5 times 385140 (= 1925700)
 Subtract 1925700 from 2240194 (= 314494)
 Bring down the 5

Divide 385140 into 3144945 (= 8)
 Multiply 8 times 385140 (= 3081120)
 Subtract 3081120 from 3144945 (= 63825)
 Bring down the 9

Divide 385140 into 638259 (= 1)
 Multiply 1 times 385140 (= 385140)
 Subtract 385140 from 638259 (= 253119)
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 520916 \overline{) 726653174} \\
 \underline{- 520916} \quad (1 \times 520916) \\
 2057371 \\
 \underline{- 1562748} \quad (3 \times 520916) \\
 4946237 \\
 \underline{- 4688244} \quad (9 \times 520916) \\
 2579934 \\
 \underline{- 2083664} \quad (4 \times 520916) \\
 \text{Remainder -->} \quad 496270
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 520916 into 726653 (= 1)
 Multiply 1 times 520916 (= 520916)
 Subtract 520916 from 726653 (= 205737)
 Bring down the 1

Divide 520916 into 2057371 (= 3)
 Multiply 3 times 520916 (= 1562748)
 Subtract 1562748 from 2057371 (= 494623)
 Bring down the 7

Divide 520916 into 4946237 (= 9)
 Multiply 9 times 520916 (= 4688244)
 Subtract 4688244 from 4946237 (= 257993)
 Bring down the 4

Divide 520916 into 2579934 (= 4)
 Multiply 4 times 520916 (= 2083664)
 Subtract 2083664 from 2579934 (= 496270)
 Done. No more numbers to bring down.