

Name \_\_\_\_\_

Date \_\_\_\_\_

(1)

827  $\overline{112102600}$

(2)

423  $\overline{431209894}$

(3)

339  $\overline{966656066}$

Name \_\_\_\_\_

Date \_\_\_\_\_

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

<p>(1)</p> $  \begin{array}{r}  135553 \text{ R}269 \\  827 \overline{) 112102600} \\  \underline{- 827} \quad (1 \times 827) \\  2940 \\  \underline{- 2481} \quad (3 \times 827) \\  4592 \\  \underline{- 4135} \quad (5 \times 827) \\  4576 \\  \underline{- 4135} \quad (5 \times 827) \\  4410 \\  \underline{- 4135} \quad (5 \times 827) \\  2750 \\  \underline{- 2481} \quad (3 \times 827) \\  \text{Remainder -->} \quad 269  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 827 into 1121 (= 1)  Multiply 1 times 827 (= 827)  Subtract 827 from 1121 (= 294)  Bring down the 0</p> <p>Divide 827 into 2940 (= 3)  Multiply 3 times 827 (= 2481)  Subtract 2481 from 2940 (= 459)  Bring down the 2</p> <p>Divide 827 into 4592 (= 5)  Multiply 5 times 827 (= 4135)  Subtract 4135 from 4592 (= 457)  Bring down the 6</p> <p>Divide 827 into 4576 (= 5)  Multiply 5 times 827 (= 4135)  Subtract 4135 from 4576 (= 441)  Bring down the 0</p> <p>Divide 827 into 4410 (= 5)  Multiply 5 times 827 (= 4135)  Subtract 4135 from 4410 (= 275)  Bring down the 0</p> <p>Divide 827 into 2750 (= 3)  Multiply 3 times 827 (= 2481)  Subtract 2481 from 2750 (= 269)  Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  1019408 \text{ R}310 \\  423 \overline{) 431209894} \\  \underline{- 423} \quad (1 \times 423) \\  82 \\  \underline{- 0} \quad (0 \times 423) \\  820 \\  \underline{- 423} \quad (1 \times 423) \\  3979 \\  \underline{- 3807} \quad (9 \times 423) \\  1728 \\  \underline{- 1692} \quad (4 \times 423) \\  369 \\  \underline{- 0} \quad (0 \times 423) \\  3694 \\  \underline{- 3384} \quad (8 \times 423) \\  \text{Remainder -->} \quad 310  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 423 into 431 (= 1)  Multiply 1 times 423 (= 423)  Subtract 423 from 431 (= 8)  Bring down the 2</p> <p>Divide 423 into 82 (= 0)  Multiply 0 times 423 (= 0)  Subtract 0 from 82 (= 82)  Bring down the 0</p> <p>Divide 423 into 820 (= 1)  Multiply 1 times 423 (= 423)  Subtract 423 from 820 (= 397)  Bring down the 9</p> <p>Divide 423 into 3979 (= 9)  Multiply 9 times 423 (= 3807)  Subtract 3807 from 3979 (= 172)  Bring down the 8</p> <p>Divide 423 into 1728 (= 4)  Multiply 4 times 423 (= 1692)  Subtract 1692 from 1728 (= 36)  Bring down the 9</p> <p>Divide 423 into 369 (= 0)  Multiply 0 times 423 (= 0)  Subtract 0 from 369 (= 369)  Bring down the 4</p>	<p>(3)</p> $  \begin{array}{r}  2851492 \text{ R}278 \\  339 \overline{) 966656066} \\  \underline{- 678} \quad (2 \times 339) \\  2886 \\  \underline{- 2712} \quad (8 \times 339) \\  1745 \\  \underline{- 1695} \quad (5 \times 339) \\  506 \\  \underline{- 339} \quad (1 \times 339) \\  1670 \\  \underline{- 1356} \quad (4 \times 339) \\  3146 \\  \underline{- 3051} \quad (9 \times 339) \\  956 \\  \underline{- 678} \quad (2 \times 339) \\  \text{Remainder -->} \quad 278  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 339 into 966 (= 2)  Multiply 2 times 339 (= 678)  Subtract 678 from 966 (= 288)  Bring down the 6</p> <p>Divide 339 into 2886 (= 8)  Multiply 8 times 339 (= 2712)  Subtract 2712 from 2886 (= 174)  Bring down the 5</p> <p>Divide 339 into 1745 (= 5)  Multiply 5 times 339 (= 1695)  Subtract 1695 from 1745 (= 50)  Bring down the 6</p> <p>Divide 339 into 506 (= 1)  Multiply 1 times 339 (= 339)  Subtract 339 from 506 (= 167)  Bring down the 0</p> <p>Divide 339 into 1670 (= 4)  Multiply 4 times 339 (= 1356)  Subtract 1356 from 1670 (= 314)  Bring down the 6</p> <p>Divide 339 into 3146 (= 9)  Multiply 9 times 339 (= 3051)  Subtract 3051 from 3146 (= 95)  Bring down the 6</p>
	<p>Divide 423 into 3694 (= 8)  Multiply 8 times 423 (= 3384)  Subtract 3384 from 3694 (= 310)  Done. No more numbers to bring down.</p>	<p>Divide 339 into 956 (= 2)  Multiply 2 times 339 (= 678)  Subtract 678 from 956 (= 278)  Done. No more numbers to bring down.</p>