

Name _____

Date _____

(1)

2775 | 704739239

(2)

5289 | 403087524

(3)

3145 | 835885235

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

$$\begin{array}{r}
 (1) \quad \quad \quad 253960 \text{ R}239 \\
 2775 \overline{) 704739239} \\
 \underline{- 5550} \quad (2 \times 2775) \\
 14973 \\
 \underline{- 13875} \quad (5 \times 2775) \\
 10989 \\
 \underline{- 8325} \quad (3 \times 2775) \\
 26642 \\
 \underline{- 24975} \quad (9 \times 2775) \\
 16673 \\
 \underline{- 16650} \quad (6 \times 2775) \\
 239 \\
 \underline{- 0} \quad (0 \times 2775) \\
 \text{Remainder --> } 239
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 2775 into 7047 (= 2)
 Multiply 2 times 2775 (= 5550)
 Subtract 5550 from 7047 (= 1497)
 Bring down the 3

Divide 2775 into 14973 (= 5)
 Multiply 5 times 2775 (= 13875)
 Subtract 13875 from 14973 (= 1098)
 Bring down the 9

Divide 2775 into 10989 (= 3)
 Multiply 3 times 2775 (= 8325)
 Subtract 8325 from 10989 (= 2664)
 Bring down the 2

Divide 2775 into 26642 (= 9)
 Multiply 9 times 2775 (= 24975)
 Subtract 24975 from 26642 (= 1667)
 Bring down the 3

Divide 2775 into 16673 (= 6)
 Multiply 6 times 2775 (= 16650)
 Subtract 16650 from 16673 (= 23)
 Bring down the 9

Divide 2775 into 239 (= 0)
 Multiply 0 times 2775 (= 0)
 Subtract 0 from 239 (= 239)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 (2) \quad \quad \quad 76212 \text{ R}2256 \\
 5289 \overline{) 403087524} \\
 \underline{- 37023} \quad (7 \times 5289) \\
 32857 \\
 \underline{- 31734} \quad (6 \times 5289) \\
 11235 \\
 \underline{- 10578} \quad (2 \times 5289) \\
 6572 \\
 \underline{- 5289} \quad (1 \times 5289) \\
 12834 \\
 \underline{- 10578} \quad (2 \times 5289) \\
 \text{Remainder --> } 2256
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 5289 into 40308 (= 7)
 Multiply 7 times 5289 (= 37023)
 Subtract 37023 from 40308 (= 3285)
 Bring down the 7

Divide 5289 into 32857 (= 6)
 Multiply 6 times 5289 (= 31734)
 Subtract 31734 from 32857 (= 1123)
 Bring down the 5

Divide 5289 into 11235 (= 2)
 Multiply 2 times 5289 (= 10578)
 Subtract 10578 from 11235 (= 657)
 Bring down the 2

Divide 5289 into 6572 (= 1)
 Multiply 1 times 5289 (= 5289)
 Subtract 5289 from 6572 (= 1283)
 Bring down the 4

Divide 5289 into 12834 (= 2)
 Multiply 2 times 5289 (= 10578)
 Subtract 10578 from 12834 (= 2256)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 (3) \quad \quad \quad 265782 \text{ R}845 \\
 3145 \overline{) 835885235} \\
 \underline{- 6290} \quad (2 \times 3145) \\
 20688 \\
 \underline{- 18870} \quad (6 \times 3145) \\
 18185 \\
 \underline{- 15725} \quad (5 \times 3145) \\
 24602 \\
 \underline{- 22015} \quad (7 \times 3145) \\
 25873 \\
 \underline{- 25160} \quad (8 \times 3145) \\
 7135 \\
 \underline{- 6290} \quad (2 \times 3145) \\
 \text{Remainder --> } 845
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 3145 into 8358 (= 2)
 Multiply 2 times 3145 (= 6290)
 Subtract 6290 from 8358 (= 2068)
 Bring down the 8

Divide 3145 into 20688 (= 6)
 Multiply 6 times 3145 (= 18870)
 Subtract 18870 from 20688 (= 1818)
 Bring down the 5

Divide 3145 into 18185 (= 5)
 Multiply 5 times 3145 (= 15725)
 Subtract 15725 from 18185 (= 2460)
 Bring down the 2

Divide 3145 into 24602 (= 7)
 Multiply 7 times 3145 (= 22015)
 Subtract 22015 from 24602 (= 2587)
 Bring down the 3

Divide 3145 into 25873 (= 8)
 Multiply 8 times 3145 (= 25160)
 Subtract 25160 from 25873 (= 713)
 Bring down the 5

Divide 3145 into 7135 (= 2)
 Multiply 2 times 3145 (= 6290)
 Subtract 6290 from 7135 (= 845)
 Done. No more numbers to bring down.