

Name _____

Date _____

(1)

9487 | 141311018

(2)

1631 | 454131185

(3)

4933 | 199177290

Name _____

Date _____

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

(1)

$$\begin{array}{r}
 14895 \text{ R}2153 \\
 9487 \overline{) 141311018} \\
 \underline{- 9487} \quad (1 \times 9487) \\
 46441 \\
 \underline{- 37948} \quad (4 \times 9487) \\
 84930 \\
 \underline{- 75896} \quad (8 \times 9487) \\
 90341 \\
 \underline{- 85383} \quad (9 \times 9487) \\
 49588 \\
 \underline{- 47435} \quad (5 \times 9487) \\
 \text{Remainder --> } 2153
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 9487 into 14131 (= 1)
 Multiply 1 times 9487 (= 9487)
 Subtract 9487 from 14131 (= 4644)
 Bring down the 1

Divide 9487 into 46441 (= 4)
 Multiply 4 times 9487 (= 37948)
 Subtract 37948 from 46441 (= 8493)
 Bring down the 0

Divide 9487 into 84930 (= 8)
 Multiply 8 times 9487 (= 75896)
 Subtract 75896 from 84930 (= 9034)
 Bring down the 1

Divide 9487 into 90341 (= 9)
 Multiply 9 times 9487 (= 85383)
 Subtract 85383 from 90341 (= 4958)
 Bring down the 8

Divide 9487 into 49588 (= 5)
 Multiply 5 times 9487 (= 47435)
 Subtract 47435 from 49588 (= 2153)
 Done. No more numbers to bring down.

(2)

$$\begin{array}{r}
 278437 \text{ R}438 \\
 1631 \overline{) 454131185} \\
 \underline{- 3262} \quad (2 \times 1631) \\
 12793 \\
 \underline{- 11417} \quad (7 \times 1631) \\
 13761 \\
 \underline{- 13048} \quad (8 \times 1631) \\
 7131 \\
 \underline{- 6524} \quad (4 \times 1631) \\
 6078 \\
 \underline{- 4893} \quad (3 \times 1631) \\
 11855 \\
 \underline{- 11417} \quad (7 \times 1631) \\
 \text{Remainder --> } 438
 \end{array}$$

Remainder --> 438

Divide, Multiply, Subtract, Bring down, Repeat

Divide 1631 into 4541 (= 2)
 Multiply 2 times 1631 (= 3262)
 Subtract 3262 from 4541 (= 1279)
 Bring down the 3

Divide 1631 into 12793 (= 7)
 Multiply 7 times 1631 (= 11417)
 Subtract 11417 from 12793 (= 1376)
 Bring down the 1

Divide 1631 into 13761 (= 8)
 Multiply 8 times 1631 (= 13048)
 Subtract 13048 from 13761 (= 713)
 Bring down the 1

Divide 1631 into 7131 (= 4)
 Multiply 4 times 1631 (= 6524)
 Subtract 6524 from 7131 (= 607)
 Bring down the 8

Divide 1631 into 6078 (= 3)
 Multiply 3 times 1631 (= 4893)
 Subtract 4893 from 6078 (= 1185)
 Bring down the 5

Divide 1631 into 11855 (= 7)
 Multiply 7 times 1631 (= 11417)
 Subtract 11417 from 11855 (= 438)
 Done. No more numbers to bring down.

(3)

$$\begin{array}{r}
 40376 \text{ R}2482 \\
 4933 \overline{) 199177290} \\
 \underline{- 19732} \quad (4 \times 4933) \\
 1857 \\
 \underline{- 0} \quad (0 \times 4933) \\
 18572 \\
 \underline{- 14799} \quad (3 \times 4933) \\
 37739 \\
 \underline{- 34531} \quad (7 \times 4933) \\
 32080 \\
 \underline{- 29598} \quad (6 \times 4933) \\
 \text{Remainder --> } 2482
 \end{array}$$

Remainder --> 2482

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4933 into 19917 (= 4)
 Multiply 4 times 4933 (= 19732)
 Subtract 19732 from 19917 (= 185)
 Bring down the 7

Divide 4933 into 1857 (= 0)
 Multiply 0 times 4933 (= 0)
 Subtract 0 from 1857 (= 1857)
 Bring down the 2

Divide 4933 into 18572 (= 3)
 Multiply 3 times 4933 (= 14799)
 Subtract 14799 from 18572 (= 3773)
 Bring down the 9

Divide 4933 into 37739 (= 7)
 Multiply 7 times 4933 (= 34531)
 Subtract 34531 from 37739 (= 3208)
 Bring down the 0

Divide 4933 into 32080 (= 6)
 Multiply 6 times 4933 (= 29598)
 Subtract 29598 from 32080 (= 2482)
 Done. No more numbers to bring down.