

Name _____

Date _____

(1)

7150 | 710776821

(2)

3445 | 421403500

(3)

6762 | 437848930

Name _____

Date _____

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

$$\begin{array}{r}
 \text{(1)} \quad \quad \quad 99409 \text{ R}2471 \\
 7150 \overline{) 710776821} \\
 \underline{- 64350} \quad (9 \times 7150) \\
 67276 \\
 \underline{- 64350} \quad (9 \times 7150) \\
 29268 \\
 \underline{- 28600} \quad (4 \times 7150) \\
 6682 \\
 \underline{- 0} \quad (0 \times 7150) \\
 66821 \\
 \underline{- 64350} \quad (9 \times 7150) \\
 \text{Remainder --> } 2471
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7150 into 71077 (= 9)
 Multiply 9 times 7150 (= 64350)
 Subtract 64350 from 71077 (= 6727)
 Bring down the 6

Divide 7150 into 67276 (= 9)
 Multiply 9 times 7150 (= 64350)
 Subtract 64350 from 67276 (= 2926)
 Bring down the 8

Divide 7150 into 29268 (= 4)
 Multiply 4 times 7150 (= 28600)
 Subtract 28600 from 29268 (= 668)
 Bring down the 2

Divide 7150 into 6682 (= 0)
 Multiply 0 times 7150 (= 0)
 Subtract 0 from 6682 (= 6682)
 Bring down the 1

Divide 7150 into 66821 (= 9)
 Multiply 9 times 7150 (= 64350)
 Subtract 64350 from 66821 (= 2471)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 \text{(2)} \quad \quad \quad 122323 \text{ R}765 \\
 3445 \overline{) 421403500} \\
 \underline{- 3445} \quad (1 \times 3445) \\
 7690 \\
 \underline{- 6890} \quad (2 \times 3445) \\
 8003 \\
 \underline{- 6890} \quad (2 \times 3445) \\
 11135 \\
 \underline{- 10335} \quad (3 \times 3445) \\
 8000 \\
 \underline{- 6890} \quad (2 \times 3445) \\
 11100 \\
 \underline{- 10335} \quad (3 \times 3445) \\
 \text{Remainder --> } 765
 \end{array}$$

Remainder --> 765

Divide, Multiply, Subtract, Bring down, Repeat

Divide 3445 into 4214 (= 1)
 Multiply 1 times 3445 (= 3445)
 Subtract 3445 from 4214 (= 769)
 Bring down the 0

Divide 3445 into 7690 (= 2)
 Multiply 2 times 3445 (= 6890)
 Subtract 6890 from 7690 (= 800)
 Bring down the 3

Divide 3445 into 8003 (= 2)
 Multiply 2 times 3445 (= 6890)
 Subtract 6890 from 8003 (= 1113)
 Bring down the 5

Divide 3445 into 11135 (= 3)
 Multiply 3 times 3445 (= 10335)
 Subtract 10335 from 11135 (= 800)
 Bring down the 0

Divide 3445 into 8000 (= 2)
 Multiply 2 times 3445 (= 6890)
 Subtract 6890 from 8000 (= 1110)
 Bring down the 0

Divide 3445 into 11100 (= 3)
 Multiply 3 times 3445 (= 10335)
 Subtract 10335 from 11100 (= 765)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 \text{(3)} \quad \quad \quad 64751 \text{ R}2668 \\
 6762 \overline{) 437848930} \\
 \underline{- 40572} \quad (6 \times 6762) \\
 32128 \\
 \underline{- 27048} \quad (4 \times 6762) \\
 50809 \\
 \underline{- 47334} \quad (7 \times 6762) \\
 34753 \\
 \underline{- 33810} \quad (5 \times 6762) \\
 9430 \\
 \underline{- 6762} \quad (1 \times 6762) \\
 \text{Remainder --> } 2668
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6762 into 43784 (= 6)
 Multiply 6 times 6762 (= 40572)
 Subtract 40572 from 43784 (= 3212)
 Bring down the 8

Divide 6762 into 32128 (= 4)
 Multiply 4 times 6762 (= 27048)
 Subtract 27048 from 32128 (= 5080)
 Bring down the 9

Divide 6762 into 50809 (= 7)
 Multiply 7 times 6762 (= 47334)
 Subtract 47334 from 50809 (= 3475)
 Bring down the 3

Divide 6762 into 34753 (= 5)
 Multiply 5 times 6762 (= 33810)
 Subtract 33810 from 34753 (= 943)
 Bring down the 0

Divide 6762 into 9430 (= 1)
 Multiply 1 times 6762 (= 6762)
 Subtract 6762 from 9430 (= 2668)
 Done. No more numbers to bring down.