

Name _____

Date _____

(1)

9440 | 344957423

(2)

6405 | 583522604

(3)

8938 | 933940002

Name _____

Date _____

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

$$\begin{array}{r}
 \text{(1)} \quad \quad \quad 36542 \text{ R}943 \\
 9440 \overline{) 344957423} \\
 \underline{- 28320} \quad (3 \times 9440) \\
 61757 \\
 \underline{- 56640} \quad (6 \times 9440) \\
 51174 \\
 \underline{- 47200} \quad (5 \times 9440) \\
 39742 \\
 \underline{- 37760} \quad (4 \times 9440) \\
 19823 \\
 \underline{- 18880} \quad (2 \times 9440) \\
 \text{Remainder -->} \quad 943
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 9440 into 34495 (= 3)
 Multiply 3 times 9440 (= 28320)
 Subtract 28320 from 34495 (= 6175)
 Bring down the 7

Divide 9440 into 61757 (= 6)
 Multiply 6 times 9440 (= 56640)
 Subtract 56640 from 61757 (= 5117)
 Bring down the 4

Divide 9440 into 51174 (= 5)
 Multiply 5 times 9440 (= 47200)
 Subtract 47200 from 51174 (= 3974)
 Bring down the 2

Divide 9440 into 39742 (= 4)
 Multiply 4 times 9440 (= 37760)
 Subtract 37760 from 39742 (= 1982)
 Bring down the 3

Divide 9440 into 19823 (= 2)
 Multiply 2 times 9440 (= 18880)
 Subtract 18880 from 19823 (= 943)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 \text{(2)} \quad \quad \quad 91104 \text{ R}1484 \\
 6405 \overline{) 583522604} \\
 \underline{- 57645} \quad (9 \times 6405) \\
 7072 \\
 \underline{- 6405} \quad (1 \times 6405) \\
 6676 \\
 \underline{- 6405} \quad (1 \times 6405) \\
 2710 \\
 \underline{- 0} \quad (0 \times 6405) \\
 27104 \\
 \underline{- 25620} \quad (4 \times 6405) \\
 \text{Remainder -->} \quad 1484
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6405 into 58352 (= 9)
 Multiply 9 times 6405 (= 57645)
 Subtract 57645 from 58352 (= 707)
 Bring down the 2

Divide 6405 into 7072 (= 1)
 Multiply 1 times 6405 (= 6405)
 Subtract 6405 from 7072 (= 667)
 Bring down the 6

Divide 6405 into 6676 (= 1)
 Multiply 1 times 6405 (= 6405)
 Subtract 6405 from 6676 (= 271)
 Bring down the 0

Divide 6405 into 2710 (= 0)
 Multiply 0 times 6405 (= 0)
 Subtract 0 from 2710 (= 2710)
 Bring down the 4

Divide 6405 into 27104 (= 4)
 Multiply 4 times 6405 (= 25620)
 Subtract 25620 from 27104 (= 1484)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 \text{(3)} \quad \quad \quad 104490 \text{ R}8382 \\
 8938 \overline{) 933940002} \\
 \underline{- 8938} \quad (1 \times 8938) \\
 4014 \\
 \underline{- 0} \quad (0 \times 8938) \\
 40140 \\
 \underline{- 35752} \quad (4 \times 8938) \\
 43880 \\
 \underline{- 35752} \quad (4 \times 8938) \\
 81280 \\
 \underline{- 80442} \quad (9 \times 8938) \\
 8382 \\
 \underline{- 0} \quad (0 \times 8938) \\
 \text{Remainder -->} \quad 8382
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8938 into 9339 (= 1)
 Multiply 1 times 8938 (= 8938)
 Subtract 8938 from 9339 (= 401)
 Bring down the 4

Divide 8938 into 4014 (= 0)
 Multiply 0 times 8938 (= 0)
 Subtract 0 from 4014 (= 4014)
 Bring down the 0

Divide 8938 into 40140 (= 4)
 Multiply 4 times 8938 (= 35752)
 Subtract 35752 from 40140 (= 4388)
 Bring down the 0

Divide 8938 into 43880 (= 4)
 Multiply 4 times 8938 (= 35752)
 Subtract 35752 from 43880 (= 8128)
 Bring down the 0

Divide 8938 into 81280 (= 9)
 Multiply 9 times 8938 (= 80442)
 Subtract 80442 from 81280 (= 838)
 Bring down the 2

Divide 8938 into 8382 (= 0)
 Multiply 0 times 8938 (= 0)
 Subtract 0 from 8382 (= 8382)
 Done. No more numbers to bring down.