

Name _____

Date _____

(1)

4372 | 144026061

(2)

3154 | 329713109

(3)

1698 | 669534073

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

$$\begin{array}{r}
 (1) \quad \quad \quad 32942 \text{ R}3637 \\
 4372 \overline{) 144026061} \\
 \underline{- 13116} \quad (3 \times 4372) \\
 12866 \\
 \underline{- 8744} \quad (2 \times 4372) \\
 41220 \\
 \underline{- 39348} \quad (9 \times 4372) \\
 18726 \\
 \underline{- 17488} \quad (4 \times 4372) \\
 12381 \\
 \underline{- 8744} \quad (2 \times 4372) \\
 \text{Remainder --> } 3637
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 4372 into 14402 (= 3)
 Multiply 3 times 4372 (= 13116)
 Subtract 13116 from 14402 (= 1286)
 Bring down the 6

Divide 4372 into 12866 (= 2)
 Multiply 2 times 4372 (= 8744)
 Subtract 8744 from 12866 (= 4122)
 Bring down the 0

Divide 4372 into 41220 (= 9)
 Multiply 9 times 4372 (= 39348)
 Subtract 39348 from 41220 (= 1872)
 Bring down the 6

Divide 4372 into 18726 (= 4)
 Multiply 4 times 4372 (= 17488)
 Subtract 17488 from 18726 (= 1238)
 Bring down the 1

Divide 4372 into 12381 (= 2)
 Multiply 2 times 4372 (= 8744)
 Subtract 8744 from 12381 (= 3637)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 (2) \quad \quad \quad 104538 \text{ R}257 \\
 3154 \overline{) 329713109} \\
 \underline{- 3154} \quad (1 \times 3154) \\
 1431 \\
 \underline{- 0} \quad (0 \times 3154) \\
 14313 \\
 \underline{- 12616} \quad (4 \times 3154) \\
 16971 \\
 \underline{- 15770} \quad (5 \times 3154) \\
 12010 \\
 \underline{- 9462} \quad (3 \times 3154) \\
 25489 \\
 \underline{- 25232} \quad (8 \times 3154) \\
 \text{Remainder --> } 257
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 3154 into 3297 (= 1)
 Multiply 1 times 3154 (= 3154)
 Subtract 3154 from 3297 (= 143)
 Bring down the 1

Divide 3154 into 1431 (= 0)
 Multiply 0 times 3154 (= 0)
 Subtract 0 from 1431 (= 1431)
 Bring down the 3

Divide 3154 into 14313 (= 4)
 Multiply 4 times 3154 (= 12616)
 Subtract 12616 from 14313 (= 1697)
 Bring down the 1

Divide 3154 into 16971 (= 5)
 Multiply 5 times 3154 (= 15770)
 Subtract 15770 from 16971 (= 1201)
 Bring down the 0

Divide 3154 into 12010 (= 3)
 Multiply 3 times 3154 (= 9462)
 Subtract 9462 from 12010 (= 2548)
 Bring down the 9

Divide 3154 into 25489 (= 8)
 Multiply 8 times 3154 (= 25232)
 Subtract 25232 from 25489 (= 257)
 Done. No more numbers to bring down.

$$\begin{array}{r}
 (3) \quad \quad \quad 394307 \text{ R}787 \\
 1698 \overline{) 669534073} \\
 \underline{- 5094} \quad (3 \times 1698) \\
 16013 \\
 \underline{- 15282} \quad (9 \times 1698) \\
 7314 \\
 \underline{- 6792} \quad (4 \times 1698) \\
 5220 \\
 \underline{- 5094} \quad (3 \times 1698) \\
 1267 \\
 \underline{- 0} \quad (0 \times 1698) \\
 12673 \\
 \underline{- 11886} \quad (7 \times 1698) \\
 \text{Remainder --> } 787
 \end{array}$$

Divide, Multiply, Subtract, Bring down, Repeat

Divide 1698 into 6695 (= 3)
 Multiply 3 times 1698 (= 5094)
 Subtract 5094 from 6695 (= 1601)
 Bring down the 3

Divide 1698 into 16013 (= 9)
 Multiply 9 times 1698 (= 15282)
 Subtract 15282 from 16013 (= 731)
 Bring down the 4

Divide 1698 into 7314 (= 4)
 Multiply 4 times 1698 (= 6792)
 Subtract 6792 from 7314 (= 522)
 Bring down the 0

Divide 1698 into 5220 (= 3)
 Multiply 3 times 1698 (= 5094)
 Subtract 5094 from 5220 (= 126)
 Bring down the 7

Divide 1698 into 1267 (= 0)
 Multiply 0 times 1698 (= 0)
 Subtract 0 from 1267 (= 1267)
 Bring down the 3

Divide 1698 into 12673 (= 7)
 Multiply 7 times 1698 (= 11886)
 Subtract 11886 from 12673 (= 787)
 Done. No more numbers to bring down.