

Name _____

Date _____

(1)

746 | 698632049

(2)

520 | 995032570

(3)

743 | 880576476

Name _____

Date _____

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

<p>(1)</p> $ \begin{array}{r} 936504 \text{ R65} \\ 746 \overline{) 698632049} \\ \underline{- 6714} \quad (9 \times 746) \\ 2723 \\ \underline{- 2238} \quad (3 \times 746) \\ 4852 \\ \underline{- 4476} \quad (6 \times 746) \\ 3760 \\ \underline{- 3730} \quad (5 \times 746) \\ 304 \\ \underline{- 0} \quad (0 \times 746) \\ 3049 \\ \underline{- 2984} \quad (4 \times 746) \\ \text{Remainder -->} \quad 65 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 746 into 6986 (= 9) Multiply 9 times 746 (= 6714) Subtract 6714 from 6986 (= 272) Bring down the 3</p> <p>Divide 746 into 2723 (= 3) Multiply 3 times 746 (= 2238) Subtract 2238 from 2723 (= 485) Bring down the 2</p> <p>Divide 746 into 4852 (= 6) Multiply 6 times 746 (= 4476) Subtract 4476 from 4852 (= 376) Bring down the 0</p> <p>Divide 746 into 3760 (= 5) Multiply 5 times 746 (= 3730) Subtract 3730 from 3760 (= 30) Bring down the 4</p> <p>Divide 746 into 304 (= 0) Multiply 0 times 746 (= 0) Subtract 0 from 304 (= 304) Bring down the 9</p> <p>Divide 746 into 3049 (= 4) Multiply 4 times 746 (= 2984) Subtract 2984 from 3049 (= 65) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 1913524 \text{ R90} \\ 520 \overline{) 995032570} \\ \underline{- 520} \quad (1 \times 520) \\ 4750 \\ \underline{- 4680} \quad (9 \times 520) \\ 703 \\ \underline{- 520} \quad (1 \times 520) \\ 1832 \\ \underline{- 1560} \quad (3 \times 520) \\ 2725 \\ \underline{- 2600} \quad (5 \times 520) \\ 1257 \\ \underline{- 1040} \quad (2 \times 520) \\ 2170 \\ \underline{- 2080} \quad (4 \times 520) \\ \text{Remainder -->} \quad 90 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 520 into 995 (= 1) Multiply 1 times 520 (= 520) Subtract 520 from 995 (= 475) Bring down the 0</p> <p>Divide 520 into 4750 (= 9) Multiply 9 times 520 (= 4680) Subtract 4680 from 4750 (= 70) Bring down the 3</p> <p>Divide 520 into 703 (= 1) Multiply 1 times 520 (= 520) Subtract 520 from 703 (= 183) Bring down the 2</p> <p>Divide 520 into 1832 (= 3) Multiply 3 times 520 (= 1560) Subtract 1560 from 1832 (= 272) Bring down the 5</p> <p>Divide 520 into 2725 (= 5) Multiply 5 times 520 (= 2600) Subtract 2600 from 2725 (= 125) Bring down the 7</p> <p>Divide 520 into 1257 (= 2) Multiply 2 times 520 (= 1040) Subtract 1040 from 1257 (= 217) Bring down the 0</p> <p>Divide 520 into 2170 (= 4) Multiply 4 times 520 (= 2080) Subtract 2080 from 2170 (= 90) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 1185163 \text{ R367} \\ 743 \overline{) 880576476} \\ \underline{- 743} \quad (1 \times 743) \\ 1375 \\ \underline{- 743} \quad (1 \times 743) \\ 6327 \\ \underline{- 5944} \quad (8 \times 743) \\ 3836 \\ \underline{- 3715} \quad (5 \times 743) \\ 1214 \\ \underline{- 743} \quad (1 \times 743) \\ 4717 \\ \underline{- 4458} \quad (6 \times 743) \\ 2596 \\ \underline{- 2229} \quad (3 \times 743) \\ \text{Remainder -->} \quad 367 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 743 into 880 (= 1) Multiply 1 times 743 (= 743) Subtract 743 from 880 (= 137) Bring down the 5</p> <p>Divide 743 into 1375 (= 1) Multiply 1 times 743 (= 743) Subtract 743 from 1375 (= 632) Bring down the 7</p> <p>Divide 743 into 6327 (= 8) Multiply 8 times 743 (= 5944) Subtract 5944 from 6327 (= 383) Bring down the 6</p> <p>Divide 743 into 3836 (= 5) Multiply 5 times 743 (= 3715) Subtract 3715 from 3836 (= 121) Bring down the 4</p> <p>Divide 743 into 1214 (= 1) Multiply 1 times 743 (= 743) Subtract 743 from 1214 (= 471) Bring down the 7</p> <p>Divide 743 into 4717 (= 6) Multiply 6 times 743 (= 4458) Subtract 4458 from 4717 (= 259) Bring down the 6</p> <p>Divide 743 into 2596 (= 3) Multiply 3 times 743 (= 2229) Subtract 2229 from 2596 (= 367) Done. No more numbers to bring down.</p>
--	---	---

Divide 520 into 2170 (= 4)

Multiply 4 times 520 (= 2080)

Subtract 2080 from 2170 (= 90)
Done. No more numbers to bring down.

Divide 743 into 2596 (= 3)

Multiply 3 times 743 (= 2229)

Subtract 2229 from 2596 (= 367)

Done. No more numbers to bring down.