

Name \_\_\_\_\_

Date \_\_\_\_\_

(1)

735  $\overline{842098771}$

(2)

940  $\overline{406970837}$

(3)

447  $\overline{825195465}$

Name \_\_\_\_\_

Date \_\_\_\_\_

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

<p>(1)</p> $  \begin{array}{r}  1145712 \text{ R}451 \\  735 \overline{) 842098771} \\  \underline{- 735} \quad (1 \times 735) \\  1070 \\  \underline{- 735} \quad (1 \times 735) \\  3359 \\  \underline{- 2940} \quad (4 \times 735) \\  4198 \\  \underline{- 3675} \quad (5 \times 735) \\  5237 \\  \underline{- 5145} \quad (7 \times 735) \\  927 \\  \underline{- 735} \quad (1 \times 735) \\  1921 \\  \underline{- 1470} \quad (2 \times 735) \\  \text{Remainder -->} \quad 451  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 735 into 842 (= 1)  Multiply 1 times 735 (= 735)  Subtract 735 from 842 (= 107)  Bring down the 0</p> <p>Divide 735 into 1070 (= 1)  Multiply 1 times 735 (= 735)  Subtract 735 from 1070 (= 335)  Bring down the 9</p> <p>Divide 735 into 3359 (= 4)  Multiply 4 times 735 (= 2940)  Subtract 2940 from 3359 (= 419)  Bring down the 8</p> <p>Divide 735 into 4198 (= 5)  Multiply 5 times 735 (= 3675)  Subtract 3675 from 4198 (= 523)  Bring down the 7</p> <p>Divide 735 into 5237 (= 7)  Multiply 7 times 735 (= 5145)  Subtract 5145 from 5237 (= 92)  Bring down the 7</p> <p>Divide 735 into 927 (= 1)  Multiply 1 times 735 (= 735)  Subtract 735 from 927 (= 192)  Bring down the 1</p> <p>Divide 735 into 1921 (= 2)  Multiply 2 times 735 (= 1470)  Subtract 1470 from 1921 (= 451)  Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  432947 \text{ R}657 \\  940 \overline{) 406970837} \\  \underline{- 3760} \quad (4 \times 940) \\  3097 \\  \underline{- 2820} \quad (3 \times 940) \\  2770 \\  \underline{- 1880} \quad (2 \times 940) \\  8908 \\  \underline{- 8460} \quad (9 \times 940) \\  4483 \\  \underline{- 3760} \quad (4 \times 940) \\  7237 \\  \underline{- 6580} \quad (7 \times 940) \\  \text{Remainder -->} \quad 657  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 940 into 4069 (= 4)  Multiply 4 times 940 (= 3760)  Subtract 3760 from 4069 (= 309)  Bring down the 7</p> <p>Divide 940 into 3097 (= 3)  Multiply 3 times 940 (= 2820)  Subtract 2820 from 3097 (= 277)  Bring down the 0</p> <p>Divide 940 into 2770 (= 2)  Multiply 2 times 940 (= 1880)  Subtract 1880 from 2770 (= 890)  Bring down the 8</p> <p>Divide 940 into 8908 (= 9)  Multiply 9 times 940 (= 8460)  Subtract 8460 from 8908 (= 448)  Bring down the 3</p> <p>Divide 940 into 4483 (= 4)  Multiply 4 times 940 (= 3760)  Subtract 3760 from 4483 (= 723)  Bring down the 7</p> <p>Divide 940 into 7237 (= 7)  Multiply 7 times 940 (= 6580)  Subtract 6580 from 7237 (= 657)  Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  1846074 \text{ R}387 \\  447 \overline{) 825195465} \\  \underline{- 447} \quad (1 \times 447) \\  3781 \\  \underline{- 3576} \quad (8 \times 447) \\  2059 \\  \underline{- 1788} \quad (4 \times 447) \\  2715 \\  \underline{- 2682} \quad (6 \times 447) \\  334 \\  \underline{- 0} \quad (0 \times 447) \\  3346 \\  \underline{- 3129} \quad (7 \times 447) \\  2175 \\  \underline{- 1788} \quad (4 \times 447) \\  \text{Remainder -->} \quad 387  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 447 into 825 (= 1)  Multiply 1 times 447 (= 447)  Subtract 447 from 825 (= 378)  Bring down the 1</p> <p>Divide 447 into 3781 (= 8)  Multiply 8 times 447 (= 3576)  Subtract 3576 from 3781 (= 205)  Bring down the 9</p> <p>Divide 447 into 2059 (= 4)  Multiply 4 times 447 (= 1788)  Subtract 1788 from 2059 (= 271)  Bring down the 5</p> <p>Divide 447 into 2715 (= 6)  Multiply 6 times 447 (= 2682)  Subtract 2682 from 2715 (= 33)  Bring down the 4</p> <p>Divide 447 into 334 (= 0)  Multiply 0 times 447 (= 0)  Subtract 0 from 334 (= 334)  Bring down the 6</p> <p>Divide 447 into 3346 (= 7)  Multiply 7 times 447 (= 3129)  Subtract 3129 from 3346 (= 217)  Bring down the 5</p> <p>Divide 447 into 2175 (= 4)  Multiply 4 times 447 (= 1788)  Subtract 1788 from 2175 (= 387)  Done. No more numbers to bring down.</p>
---	--	--