

Name _____

Date _____

(1)

278 $\overline{217723995}$

(2)

894 $\overline{935719748}$

(3)

270 $\overline{499147458}$

Name _____

Date _____

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

<p>(1)</p> $ \begin{array}{r} 783179 \text{ R}233 \\ 278 \overline{) 217723995} \\ \underline{- 1946} \quad (7 \times 278) \\ 2312 \\ \underline{- 2224} \quad (8 \times 278) \\ 883 \\ \underline{- 834} \quad (3 \times 278) \\ 499 \\ \underline{- 278} \quad (1 \times 278) \\ 2219 \\ \underline{- 1946} \quad (7 \times 278) \\ 2735 \\ \underline{- 2502} \quad (9 \times 278) \\ \text{Remainder -->} \quad 233 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 278 into 2177 (= 7) Multiply 7 times 278 (= 1946) Subtract 1946 from 2177 (= 231) Bring down the 2</p> <p>Divide 278 into 2312 (= 8) Multiply 8 times 278 (= 2224) Subtract 2224 from 2312 (= 88) Bring down the 3</p> <p>Divide 278 into 883 (= 3) Multiply 3 times 278 (= 834) Subtract 834 from 883 (= 49) Bring down the 9</p> <p>Divide 278 into 499 (= 1) Multiply 1 times 278 (= 278) Subtract 278 from 499 (= 221) Bring down the 9</p> <p>Divide 278 into 2219 (= 7) Multiply 7 times 278 (= 1946) Subtract 1946 from 2219 (= 273) Bring down the 5</p> <p>Divide 278 into 2735 (= 9) Multiply 9 times 278 (= 2502) Subtract 2502 from 2735 (= 233) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 1046666 \text{ R}344 \\ 894 \overline{) 935719748} \\ \underline{- 894} \quad (1 \times 894) \\ 417 \\ \underline{- 0} \quad (0 \times 894) \\ 4171 \\ \underline{- 3576} \quad (4 \times 894) \\ 5959 \\ \underline{- 5364} \quad (6 \times 894) \\ 5957 \\ \underline{- 5364} \quad (6 \times 894) \\ 5934 \\ \underline{- 5364} \quad (6 \times 894) \\ 5708 \\ \underline{- 5364} \quad (6 \times 894) \\ \text{Remainder -->} \quad 344 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 894 into 935 (= 1) Multiply 1 times 894 (= 894) Subtract 894 from 935 (= 41) Bring down the 7</p> <p>Divide 894 into 417 (= 0) Multiply 0 times 894 (= 0) Subtract 0 from 417 (= 417) Bring down the 1</p> <p>Divide 894 into 4171 (= 4) Multiply 4 times 894 (= 3576) Subtract 3576 from 4171 (= 595) Bring down the 9</p> <p>Divide 894 into 5959 (= 6) Multiply 6 times 894 (= 5364) Subtract 5364 from 5959 (= 595) Bring down the 7</p> <p>Divide 894 into 5957 (= 6) Multiply 6 times 894 (= 5364) Subtract 5364 from 5957 (= 593) Bring down the 4</p> <p>Divide 894 into 5934 (= 6) Multiply 6 times 894 (= 5364) Subtract 5364 from 5934 (= 570) Bring down the 8</p>	<p>(3)</p> $ \begin{array}{r} 1848694 \text{ R}78 \\ 270 \overline{) 499147458} \\ \underline{- 270} \quad (1 \times 270) \\ 2291 \\ \underline{- 2160} \quad (8 \times 270) \\ 1314 \\ \underline{- 1080} \quad (4 \times 270) \\ 2347 \\ \underline{- 2160} \quad (8 \times 270) \\ 1874 \\ \underline{- 1620} \quad (6 \times 270) \\ 2545 \\ \underline{- 2430} \quad (9 \times 270) \\ 1158 \\ \underline{- 1080} \quad (4 \times 270) \\ \text{Remainder -->} \quad 78 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 270 into 499 (= 1) Multiply 1 times 270 (= 270) Subtract 270 from 499 (= 229) Bring down the 1</p> <p>Divide 270 into 2291 (= 8) Multiply 8 times 270 (= 2160) Subtract 2160 from 2291 (= 131) Bring down the 4</p> <p>Divide 270 into 1314 (= 4) Multiply 4 times 270 (= 1080) Subtract 1080 from 1314 (= 234) Bring down the 7</p> <p>Divide 270 into 2347 (= 8) Multiply 8 times 270 (= 2160) Subtract 2160 from 2347 (= 187) Bring down the 4</p> <p>Divide 270 into 1874 (= 6) Multiply 6 times 270 (= 1620) Subtract 1620 from 1874 (= 254) Bring down the 5</p> <p>Divide 270 into 2545 (= 9) Multiply 9 times 270 (= 2430) Subtract 2430 from 2545 (= 115) Bring down the 8</p>
<p>Divide 894 into 5708 (= 6) Multiply 6 times 894 (= 5364) Subtract 5364 from 5708 (= 344) Done. No more numbers to bring down.</p>		
<p>Divide 270 into 1158 (= 4) Multiply 4 times 270 (= 1080) Subtract 1080 from 1158 (= 78) Done. No more numbers to bring down.</p>		