

Name _____

Date _____

(1)

972 | 211489641

(2)

817 | 280218874

(3)

554 | 573610275

Name _____

Date _____

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

<p>(1)</p> $ \begin{array}{r} 217581 \text{ R}909 \\ 972 \overline{) 211489641} \\ \underline{- 1944} \quad (2 \times 972) \\ 1708 \\ \underline{- 972} \quad (1 \times 972) \\ 7369 \\ \underline{- 6804} \quad (7 \times 972) \\ 5656 \\ \underline{- 4860} \quad (5 \times 972) \\ 7964 \\ \underline{- 7776} \quad (8 \times 972) \\ 1881 \\ \underline{- 972} \quad (1 \times 972) \\ \text{Remainder -->} \quad 909 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 972 into 2114 (= 2) Multiply 2 times 972 (= 1944) Subtract 1944 from 2114 (= 170) Bring down the 8</p> <p>Divide 972 into 1708 (= 1) Multiply 1 times 972 (= 972) Subtract 972 from 1708 (= 736) Bring down the 9</p> <p>Divide 972 into 7369 (= 7) Multiply 7 times 972 (= 6804) Subtract 6804 from 7369 (= 565) Bring down the 6</p> <p>Divide 972 into 5656 (= 5) Multiply 5 times 972 (= 4860) Subtract 4860 from 5656 (= 796) Bring down the 4</p> <p>Divide 972 into 7964 (= 8) Multiply 8 times 972 (= 7776) Subtract 7776 from 7964 (= 188) Bring down the 1</p> <p>Divide 972 into 1881 (= 1) Multiply 1 times 972 (= 972) Subtract 972 from 1881 (= 909) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 342985 \text{ R}129 \\ 817 \overline{) 280218874} \\ \underline{- 2451} \quad (3 \times 817) \\ 3511 \\ \underline{- 3268} \quad (4 \times 817) \\ 2438 \\ \underline{- 1634} \quad (2 \times 817) \\ 8048 \\ \underline{- 7353} \quad (9 \times 817) \\ 6957 \\ \underline{- 6536} \quad (8 \times 817) \\ 4214 \\ \underline{- 4085} \quad (5 \times 817) \\ \text{Remainder -->} \quad 129 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 817 into 2802 (= 3) Multiply 3 times 817 (= 2451) Subtract 2451 from 2802 (= 351) Bring down the 1</p> <p>Divide 817 into 3511 (= 4) Multiply 4 times 817 (= 3268) Subtract 3268 from 3511 (= 243) Bring down the 8</p> <p>Divide 817 into 2438 (= 2) Multiply 2 times 817 (= 1634) Subtract 1634 from 2438 (= 804) Bring down the 8</p> <p>Divide 817 into 8048 (= 9) Multiply 9 times 817 (= 7353) Subtract 7353 from 8048 (= 695) Bring down the 7</p> <p>Divide 817 into 6957 (= 8) Multiply 8 times 817 (= 6536) Subtract 6536 from 6957 (= 421) Bring down the 4</p> <p>Divide 817 into 4214 (= 5) Multiply 5 times 817 (= 4085) Subtract 4085 from 4214 (= 129) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 1035397 \text{ R}337 \\ 554 \overline{) 573610275} \\ \underline{- 554} \quad (1 \times 554) \\ 196 \\ \underline{- 0} \quad (0 \times 554) \\ 1961 \\ \underline{- 1662} \quad (3 \times 554) \\ 2990 \\ \underline{- 2770} \quad (5 \times 554) \\ 2202 \\ \underline{- 1662} \quad (3 \times 554) \\ 5407 \\ \underline{- 4986} \quad (9 \times 554) \\ 4215 \\ \underline{- 3878} \quad (7 \times 554) \\ \text{Remainder -->} \quad 337 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 554 into 573 (= 1) Multiply 1 times 554 (= 554) Subtract 554 from 573 (= 19) Bring down the 6</p> <p>Divide 554 into 196 (= 0) Multiply 0 times 554 (= 0) Subtract 0 from 196 (= 196) Bring down the 1</p> <p>Divide 554 into 1961 (= 3) Multiply 3 times 554 (= 1662) Subtract 1662 from 1961 (= 299) Bring down the 0</p> <p>Divide 554 into 2990 (= 5) Multiply 5 times 554 (= 2770) Subtract 2770 from 2990 (= 220) Bring down the 2</p> <p>Divide 554 into 2202 (= 3) Multiply 3 times 554 (= 1662) Subtract 1662 from 2202 (= 540) Bring down the 7</p> <p>Divide 554 into 5407 (= 9) Multiply 9 times 554 (= 4986) Subtract 4986 from 5407 (= 421) Bring down the 5</p> <p>Divide 554 into 4215 (= 7) Multiply 7 times 554 (= 3878) Subtract 3878 from 4215 (= 337) Done. No more numbers to bring down.</p>
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