

Name _____

Date _____

(1)

644 | 644079542

(2)

423 | 281607486

(3)

562 | 170697708

Name _____

Date _____

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

<p>(1)</p> $ \begin{array}{r} 1000123 \text{ R}330 \\ 644 \overline{) 644079542} \\ \underline{- 644} \quad (1 \times 644) \\ 00 \\ \underline{- 0} \quad (0 \times 644) \\ 07 \\ \underline{- 0} \quad (0 \times 644) \\ 79 \\ \underline{- 0} \quad (0 \times 644) \\ 795 \\ \underline{- 644} \quad (1 \times 644) \\ 1514 \\ \underline{- 1288} \quad (2 \times 644) \\ 2262 \\ \underline{- 1932} \quad (3 \times 644) \\ \text{Remainder -->} \quad 330 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 644 into 644 (= 1) Multiply 1 times 644 (= 644) Subtract 644 from 644 (= 0) Bring down the 0</p> <p>Divide 644 into 00 (= 0) Multiply 0 times 644 (= 0) Subtract 0 from 00 (= 0) Bring down the 7</p> <p>Divide 644 into 07 (= 0) Multiply 0 times 644 (= 0) Subtract 0 from 07 (= 7) Bring down the 9</p> <p>Divide 644 into 79 (= 0) Multiply 0 times 644 (= 0) Subtract 0 from 79 (= 79) Bring down the 5</p> <p>Divide 644 into 795 (= 1) Multiply 1 times 644 (= 644) Subtract 644 from 795 (= 151) Bring down the 4</p> <p>Divide 644 into 1514 (= 2) Multiply 2 times 644 (= 1288) Subtract 1288 from 1514 (= 226) Bring down the 2</p> <p>Divide 644 into 2262 (= 3) Multiply 3 times 644 (= 1932) Subtract 1932 from 2262 (= 330) Done. No more numbers to bring down.</p>	<p>(2)</p> $ \begin{array}{r} 665738 \text{ R}312 \\ 423 \overline{) 281607486} \\ \underline{- 2538} \quad (6 \times 423) \\ 2780 \\ \underline{- 2538} \quad (6 \times 423) \\ 2427 \\ \underline{- 2115} \quad (5 \times 423) \\ 3124 \\ \underline{- 2961} \quad (7 \times 423) \\ 1638 \\ \underline{- 1269} \quad (3 \times 423) \\ 3696 \\ \underline{- 3384} \quad (8 \times 423) \\ \text{Remainder -->} \quad 312 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 423 into 2816 (= 6) Multiply 6 times 423 (= 2538) Subtract 2538 from 2816 (= 278) Bring down the 0</p> <p>Divide 423 into 2780 (= 6) Multiply 6 times 423 (= 2538) Subtract 2538 from 2780 (= 242) Bring down the 7</p> <p>Divide 423 into 2427 (= 5) Multiply 5 times 423 (= 2115) Subtract 2115 from 2427 (= 312) Bring down the 4</p> <p>Divide 423 into 3124 (= 7) Multiply 7 times 423 (= 2961) Subtract 2961 from 3124 (= 163) Bring down the 8</p> <p>Divide 423 into 1638 (= 3) Multiply 3 times 423 (= 1269) Subtract 1269 from 1638 (= 369) Bring down the 6</p> <p>Divide 423 into 3696 (= 8) Multiply 8 times 423 (= 3384) Subtract 3384 from 3696 (= 312) Done. No more numbers to bring down.</p>	<p>(3)</p> $ \begin{array}{r} 303732 \text{ R}324 \\ 562 \overline{) 170697708} \\ \underline{- 1686} \quad (3 \times 562) \\ 209 \\ \underline{- 0} \quad (0 \times 562) \\ 2097 \\ \underline{- 1686} \quad (3 \times 562) \\ 4117 \\ \underline{- 3934} \quad (7 \times 562) \\ 1830 \\ \underline{- 1686} \quad (3 \times 562) \\ 1448 \\ \underline{- 1124} \quad (2 \times 562) \\ \text{Remainder -->} \quad 324 \end{array} $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 562 into 1706 (= 3) Multiply 3 times 562 (= 1686) Subtract 1686 from 1706 (= 20) Bring down the 9</p> <p>Divide 562 into 209 (= 0) Multiply 0 times 562 (= 0) Subtract 0 from 209 (= 209) Bring down the 7</p> <p>Divide 562 into 2097 (= 3) Multiply 3 times 562 (= 1686) Subtract 1686 from 2097 (= 411) Bring down the 7</p> <p>Divide 562 into 4117 (= 7) Multiply 7 times 562 (= 3934) Subtract 3934 from 4117 (= 183) Bring down the 0</p> <p>Divide 562 into 1830 (= 3) Multiply 3 times 562 (= 1686) Subtract 1686 from 1830 (= 144) Bring down the 8</p> <p>Divide 562 into 1448 (= 2) Multiply 2 times 562 (= 1124) Subtract 1124 from 1448 (= 324) Done. No more numbers to bring down.</p>
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