

Name \_\_\_\_\_

Date \_\_\_\_\_

(1)

276 | 710872882

(2)

645 | 402003502

(3)

334 | 115906687

Name \_\_\_\_\_

Date \_\_\_\_\_

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

<p>(1)</p> $  \begin{array}{r}  276 \overline{) 2575626} \text{ R}106 \\  \underline{710} \phantom{872882} \\  276 \phantom{0} \phantom{872882} \\  \underline{552} \phantom{872882} \quad (2 \times 276) \\  1588 \phantom{872882} \\  \underline{1380} \phantom{872882} \quad (5 \times 276) \\  2087 \phantom{872882} \\  \underline{1932} \phantom{872882} \quad (7 \times 276) \\  1552 \phantom{872882} \\  \underline{1380} \phantom{872882} \quad (5 \times 276) \\  1728 \phantom{872882} \\  \underline{1656} \phantom{872882} \quad (6 \times 276) \\  728 \phantom{872882} \\  \underline{552} \phantom{872882} \quad (2 \times 276) \\  1762 \phantom{872882} \\  \underline{1656} \phantom{872882} \quad (6 \times 276) \\  \text{Remainder -->} \quad 106  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 276 into 710 (= 2)  Multiply 2 times 276 (= 552)  Subtract 552 from 710 (= 158)  Bring down the 8</p> <p>Divide 276 into 1588 (= 5)  Multiply 5 times 276 (= 1380)  Subtract 1380 from 1588 (= 208)  Bring down the 7</p> <p>Divide 276 into 2087 (= 7)  Multiply 7 times 276 (= 1932)  Subtract 1932 from 2087 (= 155)  Bring down the 2</p> <p>Divide 276 into 1552 (= 5)  Multiply 5 times 276 (= 1380)  Subtract 1380 from 1552 (= 172)  Bring down the 8</p> <p>Divide 276 into 1728 (= 6)  Multiply 6 times 276 (= 1656)  Subtract 1656 from 1728 (= 72)  Bring down the 8</p> <p>Divide 276 into 728 (= 2)  Multiply 2 times 276 (= 552)  Subtract 552 from 728 (= 176)  Bring down the 2</p> <p>Divide 276 into 1762 (= 6)  Multiply 6 times 276 (= 1656)  Subtract 1656 from 1762 (= 106)  Done. No more numbers to bring down.</p>	<p>(2)</p> $  \begin{array}{r}  645 \overline{) 623261} \text{ R}157 \\  \underline{402} \phantom{003502} \\  645 \phantom{003502} \\  \underline{3870} \phantom{003502} \quad (6 \times 645) \\  1500 \phantom{003502} \\  \underline{1290} \phantom{003502} \quad (2 \times 645) \\  2103 \phantom{003502} \\  \underline{1935} \phantom{003502} \quad (3 \times 645) \\  1685 \phantom{003502} \\  \underline{1290} \phantom{003502} \quad (2 \times 645) \\  3950 \phantom{003502} \\  \underline{3870} \phantom{003502} \quad (6 \times 645) \\  802 \phantom{003502} \\  \underline{645} \phantom{003502} \quad (1 \times 645) \\  \text{Remainder -->} \quad 157  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 645 into 4020 (= 6)  Multiply 6 times 645 (= 3870)  Subtract 3870 from 4020 (= 150)  Bring down the 0</p> <p>Divide 645 into 1500 (= 2)  Multiply 2 times 645 (= 1290)  Subtract 1290 from 1500 (= 210)  Bring down the 3</p> <p>Divide 645 into 2103 (= 3)  Multiply 3 times 645 (= 1935)  Subtract 1935 from 2103 (= 168)  Bring down the 5</p> <p>Divide 645 into 1685 (= 2)  Multiply 2 times 645 (= 1290)  Subtract 1290 from 1685 (= 395)  Bring down the 0</p> <p>Divide 645 into 3950 (= 6)  Multiply 6 times 645 (= 3870)  Subtract 3870 from 3950 (= 80)  Bring down the 2</p> <p>Divide 645 into 802 (= 1)  Multiply 1 times 645 (= 645)  Subtract 645 from 802 (= 157)  Done. No more numbers to bring down.</p>	<p>(3)</p> $  \begin{array}{r}  334 \overline{) 347026} \text{ R}3 \\  \underline{115} \phantom{906687} \\  334 \phantom{906687} \\  \underline{1002} \phantom{906687} \quad (3 \times 334) \\  1570 \phantom{906687} \\  \underline{1336} \phantom{906687} \quad (4 \times 334) \\  2346 \phantom{906687} \\  \underline{2338} \phantom{906687} \quad (7 \times 334) \\  86 \phantom{906687} \\  \underline{0} \phantom{906687} \quad (0 \times 334) \\  868 \phantom{906687} \\  \underline{668} \phantom{906687} \quad (2 \times 334) \\  2007 \phantom{906687} \\  \underline{2004} \phantom{906687} \quad (6 \times 334) \\  \text{Remainder -->} \quad 3  \end{array}  $ <p>Divide, Multiply, Subtract, Bring down, Repeat</p> <p>Divide 334 into 1159 (= 3)  Multiply 3 times 334 (= 1002)  Subtract 1002 from 1159 (= 157)  Bring down the 0</p> <p>Divide 334 into 1570 (= 4)  Multiply 4 times 334 (= 1336)  Subtract 1336 from 1570 (= 234)  Bring down the 6</p> <p>Divide 334 into 2346 (= 7)  Multiply 7 times 334 (= 2338)  Subtract 2338 from 2346 (= 8)  Bring down the 6</p> <p>Divide 334 into 86 (= 0)  Multiply 0 times 334 (= 0)  Subtract 0 from 86 (= 86)  Bring down the 8</p> <p>Divide 334 into 868 (= 2)  Multiply 2 times 334 (= 668)  Subtract 668 from 868 (= 200)  Bring down the 7</p> <p>Divide 334 into 2007 (= 6)  Multiply 6 times 334 (= 2004)  Subtract 2004 from 2007 (= 3)  Done. No more numbers to bring down.</p>
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