

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$110 \overline{) 979424682}$$

(2)

$$796 \overline{) 460535688}$$

(3)

$$144 \overline{) 608933992}$$

(4)

$$420 \overline{) 470006495}$$

(5)

$$475 \overline{) 295741037}$$

(6)

$$277 \overline{) 701830450}$$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

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

<p>(1)</p> $  \begin{array}{r}  8903860 \text{ R}82 \\  110 \overline{) 979424682} \\  \underline{- 880} \quad (8 \times 110) \\  994 \\  \underline{- 990} \quad (9 \times 110) \\  42 \\  \underline{- 0} \quad (0 \times 110) \\  424 \\  \underline{- 330} \quad (3 \times 110) \\  946 \\  \underline{- 880} \quad (8 \times 110) \\  668 \\  \underline{- 660} \quad (6 \times 110) \\  82 \\  \underline{- 0} \quad (0 \times 110) \\  82  \end{array}  $ <p>Remainder --&gt; 82</p>	<p>(2)</p> $  \begin{array}{r}  578562 \text{ R}336 \\  796 \overline{) 460535688} \\  \underline{- 3980} \quad (5 \times 796) \\  6253 \\  \underline{- 5572} \quad (7 \times 796) \\  6815 \\  \underline{- 6368} \quad (8 \times 796) \\  4476 \\  \underline{- 3980} \quad (5 \times 796) \\  4968 \\  \underline{- 4776} \quad (6 \times 796) \\  1928 \\  \underline{- 1592} \quad (2 \times 796) \\  336  \end{array}  $ <p>Remainder --&gt; 336</p>	<p>(3)</p> $  \begin{array}{r}  4228708 \text{ R}40 \\  144 \overline{) 608933992} \\  \underline{- 576} \quad (4 \times 144) \\  329 \\  \underline{- 288} \quad (2 \times 144) \\  413 \\  \underline{- 288} \quad (2 \times 144) \\  1253 \\  \underline{- 1152} \quad (8 \times 144) \\  1019 \\  \underline{- 1008} \quad (7 \times 144) \\  119 \\  \underline{- 0} \quad (0 \times 144) \\  1192 \\  \underline{- 1152} \quad (8 \times 144) \\  40  \end{array}  $ <p>Remainder --&gt; 40</p>
<p>(4)</p> $  \begin{array}{r}  1119063 \text{ R}35 \\  420 \overline{) 470006495} \\  \underline{- 420} \quad (1 \times 420) \\  500 \\  \underline{- 420} \quad (1 \times 420) \\  800 \\  \underline{- 420} \quad (1 \times 420) \\  3806 \\  \underline{- 3780} \quad (9 \times 420) \\  264 \\  \underline{- 0} \quad (0 \times 420) \\  2649 \\  \underline{- 2520} \quad (6 \times 420) \\  1295 \\  \underline{- 1260} \quad (3 \times 420) \\  35  \end{array}  $ <p>Remainder --&gt; 35</p>	<p>(5)</p> $  \begin{array}{r}  622612 \text{ R}337 \\  475 \overline{) 295741037} \\  \underline{- 2850} \quad (6 \times 475) \\  1074 \\  \underline{- 950} \quad (2 \times 475) \\  1241 \\  \underline{- 950} \quad (2 \times 475) \\  2910 \\  \underline{- 2850} \quad (6 \times 475) \\  603 \\  \underline{- 475} \quad (1 \times 475) \\  1287 \\  \underline{- 950} \quad (2 \times 475) \\  337  \end{array}  $ <p>Remainder --&gt; 337</p>	<p>(6)</p> $  \begin{array}{r}  2533683 \text{ R}259 \\  277 \overline{) 701830450} \\  \underline{- 554} \quad (2 \times 277) \\  1478 \\  \underline{- 1385} \quad (5 \times 277) \\  933 \\  \underline{- 831} \quad (3 \times 277) \\  1020 \\  \underline{- 831} \quad (3 \times 277) \\  1894 \\  \underline{- 1662} \quad (6 \times 277) \\  2325 \\  \underline{- 2216} \quad (8 \times 277) \\  1090 \\  \underline{- 831} \quad (3 \times 277) \\  259  \end{array}  $ <p>Remainder --&gt; 259</p>