

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

(1)

$$382 \overline{)751877920}$$

(2)

$$175 \overline{)347448034}$$

(3)

$$350 \overline{)843674409}$$

(4)

$$670 \overline{)630762664}$$

(5)

$$166 \overline{)651462666}$$

(6)

$$452 \overline{)982670327}$$

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} 1968266 \text{ R}308 \\ 382 \overline{) 751877920} \\ \underline{- 382} \quad (1 \times 382) \\ 3698 \\ \underline{- 3438} \quad (9 \times 382) \\ 2607 \\ \underline{- 2292} \quad (6 \times 382) \\ 3157 \\ \underline{- 3056} \quad (8 \times 382) \\ 1019 \\ \underline{- 764} \quad (2 \times 382) \\ 2552 \\ \underline{- 2292} \quad (6 \times 382) \\ 2600 \\ \underline{- 2292} \quad (6 \times 382) \\ \text{Remainder -->} \quad 308 \end{array} $	<p>(2)</p> $ \begin{array}{r} 1985417 \text{ R}59 \\ 175 \overline{) 347448034} \\ \underline{- 175} \quad (1 \times 175) \\ 1724 \\ \underline{- 1575} \quad (9 \times 175) \\ 1494 \\ \underline{- 1400} \quad (8 \times 175) \\ 948 \\ \underline{- 875} \quad (5 \times 175) \\ 730 \\ \underline{- 700} \quad (4 \times 175) \\ 303 \\ \underline{- 175} \quad (1 \times 175) \\ 1284 \\ \underline{- 1225} \quad (7 \times 175) \\ \text{Remainder -->} \quad 59 \end{array} $	<p>(3)</p> $ \begin{array}{r} 2410498 \text{ R}109 \\ 350 \overline{) 843674409} \\ \underline{- 700} \quad (2 \times 350) \\ 1436 \\ \underline{- 1400} \quad (4 \times 350) \\ 367 \\ \underline{- 350} \quad (1 \times 350) \\ 174 \\ \underline{- 0} \quad (0 \times 350) \\ 1744 \\ \underline{- 1400} \quad (4 \times 350) \\ 3440 \\ \underline{- 3150} \quad (9 \times 350) \\ 2909 \\ \underline{- 2800} \quad (8 \times 350) \\ \text{Remainder -->} \quad 109 \end{array} $
<p>(4)</p> $ \begin{array}{r} 941436 \text{ R}544 \\ 670 \overline{) 630762664} \\ \underline{- 6030} \quad (9 \times 670) \\ 2776 \\ \underline{- 2680} \quad (4 \times 670) \\ 962 \\ \underline{- 670} \quad (1 \times 670) \\ 2926 \\ \underline{- 2680} \quad (4 \times 670) \\ 2466 \\ \underline{- 2010} \quad (3 \times 670) \\ 4564 \\ \underline{- 4020} \quad (6 \times 670) \\ \text{Remainder -->} \quad 544 \end{array} $	<p>(5)</p> $ \begin{array}{r} 3924473 \text{ R}148 \\ 166 \overline{) 651462666} \\ \underline{- 498} \quad (3 \times 166) \\ 1534 \\ \underline{- 1494} \quad (9 \times 166) \\ 406 \\ \underline{- 332} \quad (2 \times 166) \\ 742 \\ \underline{- 664} \quad (4 \times 166) \\ 786 \\ \underline{- 664} \quad (4 \times 166) \\ 1226 \\ \underline{- 1162} \quad (7 \times 166) \\ 646 \\ \underline{- 498} \quad (3 \times 166) \\ \text{Remainder -->} \quad 148 \end{array} $	<p>(6)</p> $ \begin{array}{r} 2174049 \text{ R}179 \\ 452 \overline{) 982670327} \\ \underline{- 904} \quad (2 \times 452) \\ 786 \\ \underline{- 452} \quad (1 \times 452) \\ 3347 \\ \underline{- 3164} \quad (7 \times 452) \\ 1830 \\ \underline{- 1808} \quad (4 \times 452) \\ 223 \\ \underline{- 0} \quad (0 \times 452) \\ 2232 \\ \underline{- 1808} \quad (4 \times 452) \\ 4247 \\ \underline{- 4068} \quad (9 \times 452) \\ \text{Remainder -->} \quad 179 \end{array} $