

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

(1)

$$365 \overline{)493501729}$$

(2)

$$611 \overline{)264804988}$$

(3)

$$592 \overline{)429536831}$$

(4)

$$293 \overline{)540318811}$$

(5)

$$359 \overline{)529993040}$$

(6)

$$182 \overline{)272653247}$$

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

<p>(1)</p> $ \begin{array}{r} 1352059 \text{ R}194 \\ 365 \overline{) 493501729} \\ \underline{- 365} \quad (1 \times 365) \\ 1285 \\ \underline{- 1095} \quad (3 \times 365) \\ 1900 \\ \underline{- 1825} \quad (5 \times 365) \\ 751 \\ \underline{- 730} \quad (2 \times 365) \\ 217 \\ \underline{- 0} \quad (0 \times 365) \\ 2172 \\ \underline{- 1825} \quad (5 \times 365) \\ 3479 \\ \underline{- 3285} \quad (9 \times 365) \\ 194 \\ \text{Remainder -->} \end{array} $	<p>(2)</p> $ \begin{array}{r} 433396 \text{ R}32 \\ 611 \overline{) 264804988} \\ \underline{- 2444} \quad (4 \times 611) \\ 2040 \\ \underline{- 1833} \quad (3 \times 611) \\ 2074 \\ \underline{- 1833} \quad (3 \times 611) \\ 2419 \\ \underline{- 1833} \quad (3 \times 611) \\ 5868 \\ \underline{- 5499} \quad (9 \times 611) \\ 3698 \\ \underline{- 3666} \quad (6 \times 611) \\ 32 \\ \text{Remainder -->} \end{array} $	<p>(3)</p> $ \begin{array}{r} 725568 \text{ R}575 \\ 592 \overline{) 429536831} \\ \underline{- 4144} \quad (7 \times 592) \\ 1513 \\ \underline{- 1184} \quad (2 \times 592) \\ 3296 \\ \underline{- 2960} \quad (5 \times 592) \\ 3368 \\ \underline{- 2960} \quad (5 \times 592) \\ 4083 \\ \underline{- 3552} \quad (6 \times 592) \\ 5311 \\ \underline{- 4736} \quad (8 \times 592) \\ 575 \\ \text{Remainder -->} \end{array} $
<p>(4)</p> $ \begin{array}{r} 1844091 \text{ R}148 \\ 293 \overline{) 540318811} \\ \underline{- 293} \quad (1 \times 293) \\ 2473 \\ \underline{- 2344} \quad (8 \times 293) \\ 1291 \\ \underline{- 1172} \quad (4 \times 293) \\ 1198 \\ \underline{- 1172} \quad (4 \times 293) \\ 268 \\ \underline{- 0} \quad (0 \times 293) \\ 2681 \\ \underline{- 2637} \quad (9 \times 293) \\ 441 \\ \underline{- 293} \quad (1 \times 293) \\ 148 \\ \text{Remainder -->} \end{array} $	<p>(5)</p> $ \begin{array}{r} 1476303 \text{ R}263 \\ 359 \overline{) 529993040} \\ \underline{- 359} \quad (1 \times 359) \\ 1709 \\ \underline{- 1436} \quad (4 \times 359) \\ 2739 \\ \underline{- 2513} \quad (7 \times 359) \\ 2263 \\ \underline{- 2154} \quad (6 \times 359) \\ 1090 \\ \underline{- 1077} \quad (3 \times 359) \\ 134 \\ \underline{- 0} \quad (0 \times 359) \\ 1340 \\ \underline{- 1077} \quad (3 \times 359) \\ 263 \\ \text{Remainder -->} \end{array} $	<p>(6)</p> $ \begin{array}{r} 1498094 \text{ R}139 \\ 182 \overline{) 272653247} \\ \underline{- 182} \quad (1 \times 182) \\ 906 \\ \underline{- 728} \quad (4 \times 182) \\ 1785 \\ \underline{- 1638} \quad (9 \times 182) \\ 1473 \\ \underline{- 1456} \quad (8 \times 182) \\ 172 \\ \underline{- 0} \quad (0 \times 182) \\ 1724 \\ \underline{- 1638} \quad (9 \times 182) \\ 867 \\ \underline{- 728} \quad (4 \times 182) \\ 139 \\ \text{Remainder -->} \end{array} $