

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

(1)

$$4072 \overline{) 942635458}$$

(2)

$$1000 \overline{) 246621492}$$

(3)

$$8112 \overline{) 315087771}$$

(4)

$$7416 \overline{) 924783537}$$

(5)

$$5859 \overline{) 385387625}$$

(6)

$$5403 \overline{) 166579324}$$

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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} 231492 \text{ R}34 \\ 4072 \overline{) 942635458} \\ \underline{- 8144} \quad (2 \times 4072) \\ 12823 \\ \underline{- 12216} \quad (3 \times 4072) \\ 6075 \\ \underline{- 4072} \quad (1 \times 4072) \\ 20034 \\ \underline{- 16288} \quad (4 \times 4072) \\ 37465 \\ \underline{- 36648} \quad (9 \times 4072) \\ 8178 \\ \underline{- 8144} \quad (2 \times 4072) \\ \text{Remainder -->} \quad 34 \end{array} $	<p>(2)</p> $ \begin{array}{r} 246621 \text{ R}492 \\ 1000 \overline{) 246621492} \\ \underline{- 2000} \quad (2 \times 1000) \\ 4662 \\ \underline{- 4000} \quad (4 \times 1000) \\ 6621 \\ \underline{- 6000} \quad (6 \times 1000) \\ 6214 \\ \underline{- 6000} \quad (6 \times 1000) \\ 2149 \\ \underline{- 2000} \quad (2 \times 1000) \\ 1492 \\ \underline{- 1000} \quad (1 \times 1000) \\ \text{Remainder -->} \quad 492 \end{array} $	<p>(3)</p> $ \begin{array}{r} 38842 \text{ R}1467 \\ 8112 \overline{) 315087771} \\ \underline{- 24336} \quad (3 \times 8112) \\ 71727 \\ \underline{- 64896} \quad (8 \times 8112) \\ 68317 \\ \underline{- 64896} \quad (8 \times 8112) \\ 34217 \\ \underline{- 32448} \quad (4 \times 8112) \\ 17691 \\ \underline{- 16224} \quad (2 \times 8112) \\ \text{Remainder -->} \quad 1467 \end{array} $
<p>(4)</p> $ \begin{array}{r} 124701 \text{ R}921 \\ 7416 \overline{) 924783537} \\ \underline{- 7416} \quad (1 \times 7416) \\ 18318 \\ \underline{- 14832} \quad (2 \times 7416) \\ 34863 \\ \underline{- 29664} \quad (4 \times 7416) \\ 51995 \\ \underline{- 51912} \quad (7 \times 7416) \\ 833 \\ \underline{- 0} \quad (0 \times 7416) \\ 8337 \\ \underline{- 7416} \quad (1 \times 7416) \\ \text{Remainder -->} \quad 921 \end{array} $	<p>(5)</p> $ \begin{array}{r} 65777 \text{ R}182 \\ 5859 \overline{) 385387625} \\ \underline{- 35154} \quad (6 \times 5859) \\ 33847 \\ \underline{- 29295} \quad (5 \times 5859) \\ 45526 \\ \underline{- 41013} \quad (7 \times 5859) \\ 45132 \\ \underline{- 41013} \quad (7 \times 5859) \\ 41195 \\ \underline{- 41013} \quad (7 \times 5859) \\ \text{Remainder -->} \quad 182 \end{array} $	<p>(6)</p> $ \begin{array}{r} 30830 \text{ R}4834 \\ 5403 \overline{) 166579324} \\ \underline{- 16209} \quad (3 \times 5403) \\ 4489 \\ \underline{- 0} \quad (0 \times 5403) \\ 44893 \\ \underline{- 43224} \quad (8 \times 5403) \\ 16692 \\ \underline{- 16209} \quad (3 \times 5403) \\ 4834 \\ \underline{- 0} \quad (0 \times 5403) \\ \text{Remainder -->} \quad 4834 \end{array} $