

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

(1)

$$8944 \overline{) 522794874}$$

(2)

$$8461 \overline{) 358929215}$$

(3)

$$3564 \overline{) 919495178}$$

(4)

$$7051 \overline{) 577775894}$$

(5)

$$2057 \overline{) 562891266}$$

(6)

$$8143 \overline{) 992329961}$$

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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} \overline{) 58452} \text{ R186} \\ 8944 \overline{) 522794874} \\ - \underline{44720} \quad (5 \times 8944) \\ 75594 \\ - \underline{71552} \quad (8 \times 8944) \\ 40428 \\ - \underline{35776} \quad (4 \times 8944) \\ 46527 \\ - \underline{44720} \quad (5 \times 8944) \\ 18074 \\ - \underline{17888} \quad (2 \times 8944) \\ \text{Remainder -->} \quad 186 \end{array} $	<p>(2)</p> $ \begin{array}{r} \overline{) 42421} \text{ R5134} \\ 8461 \overline{) 358929215} \\ - \underline{33844} \quad (4 \times 8461) \\ 20489 \\ - \underline{16922} \quad (2 \times 8461) \\ 35672 \\ - \underline{33844} \quad (4 \times 8461) \\ 18281 \\ - \underline{16922} \quad (2 \times 8461) \\ 13595 \\ - \underline{8461} \quad (1 \times 8461) \\ \text{Remainder -->} \quad 5134 \end{array} $	<p>(3)</p> $ \begin{array}{r} \overline{) 257995} \text{ R998} \\ 3564 \overline{) 919495178} \\ - \underline{7128} \quad (2 \times 3564) \\ 20669 \\ - \underline{17820} \quad (5 \times 3564) \\ 28495 \\ - \underline{24948} \quad (7 \times 3564) \\ 35471 \\ - \underline{32076} \quad (9 \times 3564) \\ 33957 \\ - \underline{32076} \quad (9 \times 3564) \\ 18818 \\ - \underline{17820} \quad (5 \times 3564) \\ \text{Remainder -->} \quad 998 \end{array} $
<p>(4)</p> $ \begin{array}{r} \overline{) 81942} \text{ R2852} \\ 7051 \overline{) 577775894} \\ - \underline{56408} \quad (8 \times 7051) \\ 13695 \\ - \underline{7051} \quad (1 \times 7051) \\ 66448 \\ - \underline{63459} \quad (9 \times 7051) \\ 29899 \\ - \underline{28204} \quad (4 \times 7051) \\ 16954 \\ - \underline{14102} \quad (2 \times 7051) \\ \text{Remainder -->} \quad 2852 \end{array} $	<p>(5)</p> $ \begin{array}{r} \overline{) 273646} \text{ R1444} \\ 2057 \overline{) 562891266} \\ - \underline{4114} \quad (2 \times 2057) \\ 15149 \\ - \underline{14399} \quad (7 \times 2057) \\ 7501 \\ - \underline{6171} \quad (3 \times 2057) \\ 13302 \\ - \underline{12342} \quad (6 \times 2057) \\ 9606 \\ - \underline{8228} \quad (4 \times 2057) \\ 13786 \\ - \underline{12342} \quad (6 \times 2057) \\ \text{Remainder -->} \quad 1444 \end{array} $	<p>(6)</p> $ \begin{array}{r} \overline{) 121862} \text{ R7695} \\ 8143 \overline{) 992329961} \\ - \underline{8143} \quad (1 \times 8143) \\ 17802 \\ - \underline{16286} \quad (2 \times 8143) \\ 15169 \\ - \underline{8143} \quad (1 \times 8143) \\ 70269 \\ - \underline{65144} \quad (8 \times 8143) \\ 51256 \\ - \underline{48858} \quad (6 \times 8143) \\ 23981 \\ - \underline{16286} \quad (2 \times 8143) \\ \text{Remainder -->} \quad 7695 \end{array} $