

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

(1)

$$2390 \overline{) 128213775}$$

(2)

$$6290 \overline{) 685691263}$$

(3)

$$6615 \overline{) 204404576}$$

(4)

$$3355 \overline{) 118960424}$$

(5)

$$3878 \overline{) 397036802}$$

(6)

$$9546 \overline{) 748258778}$$

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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{) 53645} \text{ R}2225 \\ 2390 \overline{) 128213775} \\ - \underline{11950} \quad (5 \times 2390) \\ 8713 \\ - \underline{7170} \quad (3 \times 2390) \\ 15437 \\ - \underline{14340} \quad (6 \times 2390) \\ 10977 \\ - \underline{9560} \quad (4 \times 2390) \\ 14175 \\ - \underline{11950} \quad (5 \times 2390) \\ \\ \text{Remainder -->} \quad 2225 \end{array} $	<p>(2)</p> $ \begin{array}{r} \overline{) 109012} \text{ R}5783 \\ 6290 \overline{) 685691263} \\ - \underline{6290} \quad (1 \times 6290) \\ 5669 \\ - \underline{0} \quad (0 \times 6290) \\ 56691 \\ - \underline{56610} \quad (9 \times 6290) \\ 812 \\ - \underline{0} \quad (0 \times 6290) \\ 8126 \\ - \underline{6290} \quad (1 \times 6290) \\ 18363 \\ - \underline{12580} \quad (2 \times 6290) \\ \\ \text{Remainder -->} \quad 5783 \end{array} $	<p>(3)</p> $ \begin{array}{r} \overline{) 30900} \text{ R}1076 \\ 6615 \overline{) 204404576} \\ - \underline{19845} \quad (3 \times 6615) \\ 5954 \\ - \underline{0} \quad (0 \times 6615) \\ 59545 \\ - \underline{59535} \quad (9 \times 6615) \\ 107 \\ - \underline{0} \quad (0 \times 6615) \\ 1076 \\ - \underline{0} \quad (0 \times 6615) \\ \\ \text{Remainder -->} \quad 1076 \end{array} $
<p>(4)</p> $ \begin{array}{r} \overline{) 35457} \text{ R}2189 \\ 3355 \overline{) 118960424} \\ - \underline{10065} \quad (3 \times 3355) \\ 18310 \\ - \underline{16775} \quad (5 \times 3355) \\ 15354 \\ - \underline{13420} \quad (4 \times 3355) \\ 19342 \\ - \underline{16775} \quad (5 \times 3355) \\ 25674 \\ - \underline{23485} \quad (7 \times 3355) \\ \\ \text{Remainder -->} \quad 2189 \end{array} $	<p>(5)</p> $ \begin{array}{r} \overline{) 102381} \text{ R}3284 \\ 3878 \overline{) 397036802} \\ - \underline{3878} \quad (1 \times 3878) \\ 923 \\ - \underline{0} \quad (0 \times 3878) \\ 9236 \\ - \underline{7756} \quad (2 \times 3878) \\ 14808 \\ - \underline{11634} \quad (3 \times 3878) \\ 31740 \\ - \underline{31024} \quad (8 \times 3878) \\ 7162 \\ - \underline{3878} \quad (1 \times 3878) \\ \\ \text{Remainder -->} \quad 3284 \end{array} $	<p>(6)</p> $ \begin{array}{r} \overline{) 78384} \text{ R}5114 \\ 9546 \overline{) 748258778} \\ - \underline{66822} \quad (7 \times 9546) \\ 80038 \\ - \underline{76368} \quad (8 \times 9546) \\ 36707 \\ - \underline{28638} \quad (3 \times 9546) \\ 80697 \\ - \underline{76368} \quad (8 \times 9546) \\ 43298 \\ - \underline{38184} \quad (4 \times 9546) \\ \\ \text{Remainder -->} \quad 5114 \end{array} $