

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

(1)

$$1072 \overline{)421080952}$$

(2)

$$9718 \overline{)681196071}$$

(3)

$$6969 \overline{)556786943}$$

(4)

$$1644 \overline{)295222424}$$

(5)

$$7834 \overline{)288454441}$$

(6)

$$6682 \overline{)249321068}$$

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} 392799 \text{ R}424 \\ 1072 \overline{) 421080952} \\ \underline{- 3216} \quad (3 \times 1072) \\ 9948 \\ \underline{- 9648} \quad (9 \times 1072) \\ 3000 \\ \underline{- 2144} \quad (2 \times 1072) \\ 8569 \\ \underline{- 7504} \quad (7 \times 1072) \\ 10655 \\ \underline{- 9648} \quad (9 \times 1072) \\ 10072 \\ \underline{- 9648} \quad (9 \times 1072) \\ \text{Remainder -->} \quad 424 \end{array} $	<p>(2)</p> $ \begin{array}{r} 70096 \text{ R}3143 \\ 9718 \overline{) 681196071} \\ \underline{- 68026} \quad (7 \times 9718) \\ 936 \\ \underline{- 0} \quad (0 \times 9718) \\ 9360 \\ \underline{- 0} \quad (0 \times 9718) \\ 93607 \\ \underline{- 87462} \quad (9 \times 9718) \\ 61451 \\ \underline{- 58308} \quad (6 \times 9718) \\ \text{Remainder -->} \quad 3143 \end{array} $	<p>(3)</p> $ \begin{array}{r} 79894 \text{ R}5657 \\ 6969 \overline{) 556786943} \\ \underline{- 48783} \quad (7 \times 6969) \\ 68956 \\ \underline{- 62721} \quad (9 \times 6969) \\ 62359 \\ \underline{- 55752} \quad (8 \times 6969) \\ 66074 \\ \underline{- 62721} \quad (9 \times 6969) \\ 33533 \\ \underline{- 27876} \quad (4 \times 6969) \\ \text{Remainder -->} \quad 5657 \end{array} $
<p>(4)</p> $ \begin{array}{r} 179575 \text{ R}1124 \\ 1644 \overline{) 295222424} \\ \underline{- 1644} \quad (1 \times 1644) \\ 13082 \\ \underline{- 11508} \quad (7 \times 1644) \\ 15742 \\ \underline{- 14796} \quad (9 \times 1644) \\ 9464 \\ \underline{- 8220} \quad (5 \times 1644) \\ 12442 \\ \underline{- 11508} \quad (7 \times 1644) \\ 9344 \\ \underline{- 8220} \quad (5 \times 1644) \\ \text{Remainder -->} \quad 1124 \end{array} $	<p>(5)</p> $ \begin{array}{r} 36820 \text{ R}6561 \\ 7834 \overline{) 288454441} \\ \underline{- 23502} \quad (3 \times 7834) \\ 53434 \\ \underline{- 47004} \quad (6 \times 7834) \\ 64304 \\ \underline{- 62672} \quad (8 \times 7834) \\ 16324 \\ \underline{- 15668} \quad (2 \times 7834) \\ 6561 \\ \underline{- 0} \quad (0 \times 7834) \\ \text{Remainder -->} \quad 6561 \end{array} $	<p>(6)</p> $ \begin{array}{r} 37312 \text{ R}2284 \\ 6682 \overline{) 249321068} \\ \underline{- 20046} \quad (3 \times 6682) \\ 48861 \\ \underline{- 46774} \quad (7 \times 6682) \\ 20870 \\ \underline{- 20046} \quad (3 \times 6682) \\ 8246 \\ \underline{- 6682} \quad (1 \times 6682) \\ 15648 \\ \underline{- 13364} \quad (2 \times 6682) \\ \text{Remainder -->} \quad 2284 \end{array} $