

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

(1)

$$182 \overline{) 214930678}$$

(2)

$$469 \overline{) 217931169}$$

(3)

$$416 \overline{) 215050109}$$

(4)

$$619 \overline{) 820691060}$$

(5)

$$978 \overline{) 951166462}$$

(6)

$$951 \overline{) 285164363}$$

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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} 1180937 \text{ R}144 \\ 182 \overline{) 214930678} \\ \underline{- 182} \quad (1 \times 182) \\ 329 \\ \underline{- 182} \quad (1 \times 182) \\ 1473 \\ \underline{- 1456} \quad (8 \times 182) \\ 170 \\ \underline{- 0} \quad (0 \times 182) \\ 1706 \\ \underline{- 1638} \quad (9 \times 182) \\ 687 \\ \underline{- 546} \quad (3 \times 182) \\ 1418 \\ \underline{- 1274} \quad (7 \times 182) \\ \text{Remainder -->} \quad 144 \end{array} $	<p>(2)</p> $ \begin{array}{r} 464672 \text{ R}1 \\ 469 \overline{) 217931169} \\ \underline{- 1876} \quad (4 \times 469) \\ 3033 \\ \underline{- 2814} \quad (6 \times 469) \\ 2191 \\ \underline{- 1876} \quad (4 \times 469) \\ 3151 \\ \underline{- 2814} \quad (6 \times 469) \\ 3376 \\ \underline{- 3283} \quad (7 \times 469) \\ 939 \\ \underline{- 938} \quad (2 \times 469) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(3)</p> $ \begin{array}{r} 516947 \text{ R}157 \\ 416 \overline{) 215050109} \\ \underline{- 2080} \quad (5 \times 416) \\ 705 \\ \underline{- 416} \quad (1 \times 416) \\ 2890 \\ \underline{- 2496} \quad (6 \times 416) \\ 3941 \\ \underline{- 3744} \quad (9 \times 416) \\ 1970 \\ \underline{- 1664} \quad (4 \times 416) \\ 3069 \\ \underline{- 2912} \quad (7 \times 416) \\ \text{Remainder -->} \quad 157 \end{array} $
<p>(4)</p> $ \begin{array}{r} 1325833 \text{ R}433 \\ 619 \overline{) 820691060} \\ \underline{- 619} \quad (1 \times 619) \\ 2016 \\ \underline{- 1857} \quad (3 \times 619) \\ 1599 \\ \underline{- 1238} \quad (2 \times 619) \\ 3611 \\ \underline{- 3095} \quad (5 \times 619) \\ 5160 \\ \underline{- 4952} \quad (8 \times 619) \\ 2086 \\ \underline{- 1857} \quad (3 \times 619) \\ 2290 \\ \underline{- 1857} \quad (3 \times 619) \\ \text{Remainder -->} \quad 433 \end{array} $	<p>(5)</p> $ \begin{array}{r} 972562 \text{ R}826 \\ 978 \overline{) 951166462} \\ \underline{- 8802} \quad (9 \times 978) \\ 7096 \\ \underline{- 6846} \quad (7 \times 978) \\ 2506 \\ \underline{- 1956} \quad (2 \times 978) \\ 5504 \\ \underline{- 4890} \quad (5 \times 978) \\ 6146 \\ \underline{- 5868} \quad (6 \times 978) \\ 2782 \\ \underline{- 1956} \quad (2 \times 978) \\ \text{Remainder -->} \quad 826 \end{array} $	<p>(6)</p> $ \begin{array}{r} 299857 \text{ R}356 \\ 951 \overline{) 285164363} \\ \underline{- 1902} \quad (2 \times 951) \\ 9496 \\ \underline{- 8559} \quad (9 \times 951) \\ 9374 \\ \underline{- 8559} \quad (9 \times 951) \\ 8153 \\ \underline{- 7608} \quad (8 \times 951) \\ 5456 \\ \underline{- 4755} \quad (5 \times 951) \\ 7013 \\ \underline{- 6657} \quad (7 \times 951) \\ \text{Remainder -->} \quad 356 \end{array} $