

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

(1)

$$280048 \overline{)764506254}$$

(2)

$$950834 \overline{)307850898}$$

(3)

$$575846 \overline{)297375277}$$

(4)

$$903927 \overline{)877810080}$$

(5)

$$843512 \overline{)978032487}$$

(6)

$$323457 \overline{)280647693}$$

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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} 280048 \overline{) 764506254} \\ \underline{- 560096} \quad (2 \times 280048) \\ 2044102 \\ \underline{- 1960336} \quad (7 \times 280048) \\ 837665 \\ \underline{- 560096} \quad (2 \times 280048) \\ 2775694 \\ \underline{- 2520432} \quad (9 \times 280048) \\ \text{Remainder -->} \quad 255262 \end{array} $	<p>(2)</p> $ \begin{array}{r} 950834 \overline{) 307850898} \\ \underline{- 2852502} \quad (3 \times 950834) \\ 2260069 \\ \underline{- 1901668} \quad (2 \times 950834) \\ 3584018 \\ \underline{- 2852502} \quad (3 \times 950834) \\ \text{Remainder -->} \quad 731516 \end{array} $	<p>(3)</p> $ \begin{array}{r} 575846 \overline{) 297375277} \\ \underline{- 2879230} \quad (5 \times 575846) \\ 945227 \\ \underline{- 575846} \quad (1 \times 575846) \\ 3693817 \\ \underline{- 3455076} \quad (6 \times 575846) \\ \text{Remainder -->} \quad 238741 \end{array} $
<p>(4)</p> $ \begin{array}{r} 903927 \overline{) 877810080} \\ \underline{- 8135343} \quad (9 \times 903927) \\ 6427578 \\ \underline{- 6327489} \quad (7 \times 903927) \\ 1000890 \\ \underline{- 903927} \quad (1 \times 903927) \\ \text{Remainder -->} \quad 96963 \end{array} $	<p>(5)</p> $ \begin{array}{r} 843512 \overline{) 978032487} \\ \underline{- 843512} \quad (1 \times 843512) \\ 1345204 \\ \underline{- 843512} \quad (1 \times 843512) \\ 5016928 \\ \underline{- 4217560} \quad (5 \times 843512) \\ 7993687 \\ \underline{- 7591608} \quad (9 \times 843512) \\ \text{Remainder -->} \quad 402079 \end{array} $	<p>(6)</p> $ \begin{array}{r} 323457 \overline{) 280647693} \\ \underline{- 2587656} \quad (8 \times 323457) \\ 2188209 \\ \underline{- 1940742} \quad (6 \times 323457) \\ 2474673 \\ \underline{- 2264199} \quad (7 \times 323457) \\ \text{Remainder -->} \quad 210474 \end{array} $