

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

(1)

$$8 \overline{) 26749242}$$

(2)

$$9 \overline{) 35820291}$$

(3)

$$6 \overline{) 44229886}$$

(4)

$$3 \overline{) 27363792}$$

(5)

$$7 \overline{) 37939147}$$

(6)

$$5 \overline{) 36704467}$$

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} 3343655 \text{ R2} \\ 8 \overline{) 26749242} \\ \underline{- 24} \qquad (3 \times 8) \\ 27 \\ \underline{- 24} \qquad (3 \times 8) \\ 34 \\ \underline{- 32} \qquad (4 \times 8) \\ 29 \\ \underline{- 24} \qquad (3 \times 8) \\ 52 \\ \underline{- 48} \qquad (6 \times 8) \\ 44 \\ \underline{- 40} \qquad (5 \times 8) \\ 42 \\ \underline{- 40} \qquad (5 \times 8) \\ \text{Remainder -->} \quad 2 \end{array} $	<p>(2)</p> $ \begin{array}{r} 3980032 \text{ R3} \\ 9 \overline{) 35820291} \\ \underline{- 27} \qquad (3 \times 9) \\ 88 \\ \underline{- 81} \qquad (9 \times 9) \\ 72 \\ \underline{- 72} \qquad (8 \times 9) \\ 00 \\ \underline{- 0} \qquad (0 \times 9) \\ 02 \\ \underline{- 0} \qquad (0 \times 9) \\ 29 \\ \underline{- 27} \qquad (3 \times 9) \\ 21 \\ \underline{- 18} \qquad (2 \times 9) \\ \text{Remainder -->} \quad 3 \end{array} $	<p>(3)</p> $ \begin{array}{r} 7371647 \text{ R4} \\ 6 \overline{) 44229886} \\ \underline{- 42} \qquad (7 \times 6) \\ 22 \\ \underline{- 18} \qquad (3 \times 6) \\ 42 \\ \underline{- 42} \qquad (7 \times 6) \\ 09 \\ \underline{- 6} \qquad (1 \times 6) \\ 38 \\ \underline{- 36} \qquad (6 \times 6) \\ 28 \\ \underline{- 24} \qquad (4 \times 6) \\ 46 \\ \underline{- 42} \qquad (7 \times 6) \\ \text{Remainder -->} \quad 4 \end{array} $
<p>(4)</p> $ \begin{array}{r} 9121264 \text{ R0} \\ 3 \overline{) 27363792} \\ \underline{- 27} \qquad (9 \times 3) \\ 03 \\ \underline{- 3} \qquad (1 \times 3) \\ 06 \\ \underline{- 6} \qquad (2 \times 3) \\ 03 \\ \underline{- 3} \qquad (1 \times 3) \\ 07 \\ \underline{- 6} \qquad (2 \times 3) \\ 19 \\ \underline{- 18} \qquad (6 \times 3) \\ 12 \\ \underline{- 12} \qquad (4 \times 3) \\ \text{Remainder -->} \quad 0 \end{array} $	<p>(5)</p> $ \begin{array}{r} 5419878 \text{ R1} \\ 7 \overline{) 37939147} \\ \underline{- 35} \qquad (5 \times 7) \\ 29 \\ \underline{- 28} \qquad (4 \times 7) \\ 13 \\ \underline{- 7} \qquad (1 \times 7) \\ 69 \\ \underline{- 63} \qquad (9 \times 7) \\ 61 \\ \underline{- 56} \qquad (8 \times 7) \\ 54 \\ \underline{- 49} \qquad (7 \times 7) \\ 57 \\ \underline{- 56} \qquad (8 \times 7) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 7340893 \text{ R2} \\ 5 \overline{) 36704467} \\ \underline{- 35} \qquad (7 \times 5) \\ 17 \\ \underline{- 15} \qquad (3 \times 5) \\ 20 \\ \underline{- 20} \qquad (4 \times 5) \\ 04 \\ \underline{- 0} \qquad (0 \times 5) \\ 44 \\ \underline{- 40} \qquad (8 \times 5) \\ 46 \\ \underline{- 45} \qquad (9 \times 5) \\ 17 \\ \underline{- 15} \qquad (3 \times 5) \\ \text{Remainder -->} \quad 2 \end{array} $