

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

(1)

$$9 \overline{) 298520833}$$

(2)

$$8 \overline{) 533695026}$$

(3)

$$2 \overline{) 846872868}$$

(4)

$$6 \overline{) 200261476}$$

(5)

$$7 \overline{) 585265315}$$

(6)

$$2 \overline{) 287955430}$$

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} 33168981 \text{ R4} \\ 9 \overline{) 298520833} \\ \underline{- 27} \quad (3 \times 9) \\ 28 \\ \underline{- 27} \quad (3 \times 9) \\ 15 \\ \underline{- 9} \quad (1 \times 9) \\ 62 \\ \underline{- 54} \quad (6 \times 9) \\ 80 \\ \underline{- 72} \quad (8 \times 9) \\ 88 \\ \underline{- 81} \quad (9 \times 9) \\ 73 \\ \underline{- 72} \quad (8 \times 9) \\ 13 \\ \underline{- 9} \quad (1 \times 9) \\ \text{Remainder -->} \quad 4 \end{array} $	<p>(2)</p> $ \begin{array}{r} 66711878 \text{ R2} \\ 8 \overline{) 533695026} \\ \underline{- 48} \quad (6 \times 8) \\ 53 \\ \underline{- 48} \quad (6 \times 8) \\ 56 \\ \underline{- 56} \quad (7 \times 8) \\ 09 \\ \underline{- 8} \quad (1 \times 8) \\ 15 \\ \underline{- 8} \quad (1 \times 8) \\ 70 \\ \underline{- 64} \quad (8 \times 8) \\ 62 \\ \underline{- 56} \quad (7 \times 8) \\ 66 \\ \underline{- 64} \quad (8 \times 8) \\ \text{Remainder -->} \quad 2 \end{array} $	<p>(3)</p> $ \begin{array}{r} 423436434 \text{ R0} \\ 2 \overline{) 846872868} \\ \underline{- 8} \quad (4 \times 2) \\ 04 \\ \underline{- 4} \quad (2 \times 2) \\ 06 \\ \underline{- 6} \quad (3 \times 2) \\ 08 \\ \underline{- 8} \quad (4 \times 2) \\ 07 \\ \underline{- 6} \quad (3 \times 2) \\ 12 \\ \underline{- 12} \quad (6 \times 2) \\ 08 \\ \underline{- 8} \quad (4 \times 2) \\ 06 \\ \underline{- 6} \quad (3 \times 2) \\ 08 \\ \underline{- 8} \quad (4 \times 2) \\ 0 \end{array} $ <p>Remainder --></p>
<p>(4)</p> $ \begin{array}{r} 33376912 \text{ R4} \\ 6 \overline{) 200261476} \\ \underline{- 18} \quad (3 \times 6) \\ 20 \\ \underline{- 18} \quad (3 \times 6) \\ 22 \\ \underline{- 18} \quad (3 \times 6) \\ 46 \\ \underline{- 42} \quad (7 \times 6) \\ 41 \\ \underline{- 36} \quad (6 \times 6) \\ 54 \\ \underline{- 54} \quad (9 \times 6) \\ 07 \\ \underline{- 6} \quad (1 \times 6) \\ 16 \\ \underline{- 12} \quad (2 \times 6) \\ \text{Remainder -->} \quad 4 \end{array} $	<p>(5)</p> $ \begin{array}{r} 83609330 \text{ R5} \\ 7 \overline{) 585265315} \\ \underline{- 56} \quad (8 \times 7) \\ 25 \\ \underline{- 21} \quad (3 \times 7) \\ 42 \\ \underline{- 42} \quad (6 \times 7) \\ 06 \\ \underline{- 0} \quad (0 \times 7) \\ 65 \\ \underline{- 63} \quad (9 \times 7) \\ 23 \\ \underline{- 21} \quad (3 \times 7) \\ 21 \\ \underline{- 21} \quad (3 \times 7) \\ 05 \\ \underline{- 0} \quad (0 \times 7) \\ \text{Remainder -->} \quad 5 \end{array} $	<p>(6)</p> $ \begin{array}{r} 143977715 \text{ R0} \\ 2 \overline{) 287955430} \\ \underline{- 2} \quad (1 \times 2) \\ 08 \\ \underline{- 8} \quad (4 \times 2) \\ 07 \\ \underline{- 6} \quad (3 \times 2) \\ 19 \\ \underline{- 18} \quad (9 \times 2) \\ 15 \\ \underline{- 14} \quad (7 \times 2) \\ 15 \\ \underline{- 14} \quad (7 \times 2) \\ 14 \\ \underline{- 14} \quad (7 \times 2) \\ 03 \\ \underline{- 2} \quad (1 \times 2) \\ 10 \\ \underline{- 10} \quad (5 \times 2) \\ 0 \end{array} $ <p>Remainder --></p>