

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

(1)

$$5 \overline{)861739464}$$

(2)

$$7 \overline{)112865072}$$

(3)

$$3 \overline{)572290157}$$

(4)

$$4 \overline{)886622543}$$

(5)

$$2 \overline{)365049955}$$

(6)

$$5 \overline{)368284799}$$

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} 172347892 \text{ R4} \\ 5 \overline{) 861739464} \\ \underline{- 5} \quad (1 \times 5) \\ 36 \\ \underline{- 35} \quad (7 \times 5) \\ 11 \\ \underline{- 10} \quad (2 \times 5) \\ 17 \\ \underline{- 15} \quad (3 \times 5) \\ 23 \\ \underline{- 20} \quad (4 \times 5) \\ 39 \\ \underline{- 35} \quad (7 \times 5) \\ 44 \\ \underline{- 40} \quad (8 \times 5) \\ 46 \\ \underline{- 45} \quad (9 \times 5) \\ 14 \\ \underline{- 10} \quad (2 \times 5) \\ \text{Remainder -->} \quad 4 \end{array} $	<p>(2)</p> $ \begin{array}{r} 16123581 \text{ R5} \\ 7 \overline{) 112865072} \\ \underline{- 7} \quad (1 \times 7) \\ 42 \\ \underline{- 42} \quad (6 \times 7) \\ 08 \\ \underline{- 7} \quad (1 \times 7) \\ 16 \\ \underline{- 14} \quad (2 \times 7) \\ 25 \\ \underline{- 21} \quad (3 \times 7) \\ 40 \\ \underline{- 35} \quad (5 \times 7) \\ 57 \\ \underline{- 56} \quad (8 \times 7) \\ 12 \\ \underline{- 7} \quad (1 \times 7) \\ \text{Remainder -->} \quad 5 \end{array} $	<p>(3)</p> $ \begin{array}{r} 190763385 \text{ R2} \\ 3 \overline{) 572290157} \\ \underline{- 3} \quad (1 \times 3) \\ 27 \\ \underline{- 27} \quad (9 \times 3) \\ 02 \\ \underline{- 0} \quad (0 \times 3) \\ 22 \\ \underline{- 21} \quad (7 \times 3) \\ 19 \\ \underline{- 18} \quad (6 \times 3) \\ 10 \\ \underline{- 9} \quad (3 \times 3) \\ 11 \\ \underline{- 9} \quad (3 \times 3) \\ 25 \\ \underline{- 24} \quad (8 \times 3) \\ 17 \\ \underline{- 15} \quad (5 \times 3) \\ \text{Remainder -->} \quad 2 \end{array} $
<p>(4)</p> $ \begin{array}{r} 221655635 \text{ R3} \\ 4 \overline{) 886622543} \\ \underline{- 8} \quad (2 \times 4) \\ 08 \\ \underline{- 8} \quad (2 \times 4) \\ 06 \\ \underline{- 4} \quad (1 \times 4) \\ 26 \\ \underline{- 24} \quad (6 \times 4) \\ 22 \\ \underline{- 20} \quad (5 \times 4) \\ 22 \\ \underline{- 20} \quad (5 \times 4) \\ 25 \\ \underline{- 24} \quad (6 \times 4) \\ 14 \\ \underline{- 12} \quad (3 \times 4) \\ 23 \\ \underline{- 20} \quad (5 \times 4) \\ \text{Remainder -->} \quad 3 \end{array} $	<p>(5)</p> $ \begin{array}{r} 182524977 \text{ R1} \\ 2 \overline{) 365049955} \\ \underline{- 2} \quad (1 \times 2) \\ 16 \\ \underline{- 16} \quad (8 \times 2) \\ 05 \\ \underline{- 4} \quad (2 \times 2) \\ 10 \\ \underline{- 10} \quad (5 \times 2) \\ 04 \\ \underline{- 4} \quad (2 \times 2) \\ 09 \\ \underline{- 8} \quad (4 \times 2) \\ 19 \\ \underline{- 18} \quad (9 \times 2) \\ 15 \\ \underline{- 14} \quad (7 \times 2) \\ 15 \\ \underline{- 14} \quad (7 \times 2) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 73656959 \text{ R4} \\ 5 \overline{) 368284799} \\ \underline{- 35} \quad (7 \times 5) \\ 18 \\ \underline{- 15} \quad (3 \times 5) \\ 32 \\ \underline{- 30} \quad (6 \times 5) \\ 28 \\ \underline{- 25} \quad (5 \times 5) \\ 34 \\ \underline{- 30} \quad (6 \times 5) \\ 47 \\ \underline{- 45} \quad (9 \times 5) \\ 29 \\ \underline{- 25} \quad (5 \times 5) \\ 49 \\ \underline{- 45} \quad (9 \times 5) \\ \text{Remainder -->} \quad 4 \end{array} $