

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

(1)

$$8 \overline{) 20765104}$$

(2)

$$3 \overline{) 77684004}$$

(3)

$$5 \overline{) 25473391}$$

(4)

$$4 \overline{) 67359159}$$

(5)

$$5 \overline{) 67267496}$$

(6)

$$5 \overline{) 63585316}$$

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} 2595638 \text{ R0} \\ 8 \overline{) 20765104} \\ \underline{- 16} \quad (2 \times 8) \\ 47 \\ \underline{- 40} \quad (5 \times 8) \\ 76 \\ \underline{- 72} \quad (9 \times 8) \\ 45 \\ \underline{- 40} \quad (5 \times 8) \\ 51 \\ \underline{- 48} \quad (6 \times 8) \\ 30 \\ \underline{- 24} \quad (3 \times 8) \\ 64 \\ \underline{- 64} \quad (8 \times 8) \\ \text{Remainder -->} \quad 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 25894668 \text{ R0} \\ 3 \overline{) 77684004} \\ \underline{- 6} \quad (2 \times 3) \\ 17 \\ \underline{- 15} \quad (5 \times 3) \\ 26 \\ \underline{- 24} \quad (8 \times 3) \\ 28 \\ \underline{- 27} \quad (9 \times 3) \\ 14 \\ \underline{- 12} \quad (4 \times 3) \\ 20 \\ \underline{- 18} \quad (6 \times 3) \\ 20 \\ \underline{- 18} \quad (6 \times 3) \\ 24 \\ \underline{- 24} \quad (8 \times 3) \\ \text{Remainder -->} \quad 0 \end{array} $	<p>(3)</p> $ \begin{array}{r} 5094678 \text{ R1} \\ 5 \overline{) 25473391} \\ \underline{- 25} \quad (5 \times 5) \\ 04 \\ \underline{- 0} \quad (0 \times 5) \\ 47 \\ \underline{- 45} \quad (9 \times 5) \\ 23 \\ \underline{- 20} \quad (4 \times 5) \\ 33 \\ \underline{- 30} \quad (6 \times 5) \\ 39 \\ \underline{- 35} \quad (7 \times 5) \\ 41 \\ \underline{- 40} \quad (8 \times 5) \\ \text{Remainder -->} \quad 1 \end{array} $
<p>(4)</p> $ \begin{array}{r} 16839789 \text{ R3} \\ 4 \overline{) 67359159} \\ \underline{- 4} \quad (1 \times 4) \\ 27 \\ \underline{- 24} \quad (6 \times 4) \\ 33 \\ \underline{- 32} \quad (8 \times 4) \\ 15 \\ \underline{- 12} \quad (3 \times 4) \\ 39 \\ \underline{- 36} \quad (9 \times 4) \\ 31 \\ \underline{- 28} \quad (7 \times 4) \\ 35 \\ \underline{- 32} \quad (8 \times 4) \\ 39 \\ \underline{- 36} \quad (9 \times 4) \\ \text{Remainder -->} \quad 3 \end{array} $	<p>(5)</p> $ \begin{array}{r} 13453499 \text{ R1} \\ 5 \overline{) 67267496} \\ \underline{- 5} \quad (1 \times 5) \\ 17 \\ \underline{- 15} \quad (3 \times 5) \\ 22 \\ \underline{- 20} \quad (4 \times 5) \\ 26 \\ \underline{- 25} \quad (5 \times 5) \\ 17 \\ \underline{- 15} \quad (3 \times 5) \\ 24 \\ \underline{- 20} \quad (4 \times 5) \\ 49 \\ \underline{- 45} \quad (9 \times 5) \\ 46 \\ \underline{- 45} \quad (9 \times 5) \\ \text{Remainder -->} \quad 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 12717063 \text{ R1} \\ 5 \overline{) 63585316} \\ \underline{- 5} \quad (1 \times 5) \\ 13 \\ \underline{- 10} \quad (2 \times 5) \\ 35 \\ \underline{- 35} \quad (7 \times 5) \\ 08 \\ \underline{- 5} \quad (1 \times 5) \\ 35 \\ \underline{- 35} \quad (7 \times 5) \\ 03 \\ \underline{- 0} \quad (0 \times 5) \\ 31 \\ \underline{- 30} \quad (6 \times 5) \\ 16 \\ \underline{- 15} \quad (3 \times 5) \\ \text{Remainder -->} \quad 1 \end{array} $