

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

(1)

$$3 \overline{) 14506855}$$

(2)

$$2 \overline{) 93889196}$$

(3)

$$8 \overline{) 22270702}$$

(4)

$$4 \overline{) 59927220}$$

(5)

$$9 \overline{) 62283078}$$

(6)

$$2 \overline{) 81341647}$$

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}  4835618 \text{ R1} \\  3 \overline{) 14506855} \\  \underline{- 12} \quad (4 \times 3) \\  25 \\  \underline{- 24} \quad (8 \times 3) \\  10 \\  \underline{- 9} \quad (3 \times 3) \\  16 \\  \underline{- 15} \quad (5 \times 3) \\  18 \\  \underline{- 18} \quad (6 \times 3) \\  05 \\  \underline{- 3} \quad (1 \times 3) \\  25 \\  \underline{- 24} \quad (8 \times 3) \\  \text{Remainder --> } 1  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  46944598 \text{ R0} \\  2 \overline{) 93889196} \\  \underline{- 8} \quad (4 \times 2) \\  13 \\  \underline{- 12} \quad (6 \times 2) \\  18 \\  \underline{- 18} \quad (9 \times 2) \\  08 \\  \underline{- 8} \quad (4 \times 2) \\  09 \\  \underline{- 8} \quad (4 \times 2) \\  11 \\  \underline{- 10} \quad (5 \times 2) \\  19 \\  \underline{- 18} \quad (9 \times 2) \\  16 \\  \underline{- 16} \quad (8 \times 2) \\  \text{Remainder --> } 0  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  2783837 \text{ R6} \\  8 \overline{) 22270702} \\  \underline{- 16} \quad (2 \times 8) \\  62 \\  \underline{- 56} \quad (7 \times 8) \\  67 \\  \underline{- 64} \quad (8 \times 8) \\  30 \\  \underline{- 24} \quad (3 \times 8) \\  67 \\  \underline{- 64} \quad (8 \times 8) \\  30 \\  \underline{- 24} \quad (3 \times 8) \\  62 \\  \underline{- 56} \quad (7 \times 8) \\  \text{Remainder --> } 6  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  14981805 \text{ R0} \\  4 \overline{) 59927220} \\  \underline{- 4} \quad (1 \times 4) \\  19 \\  \underline{- 16} \quad (4 \times 4) \\  39 \\  \underline{- 36} \quad (9 \times 4) \\  32 \\  \underline{- 32} \quad (8 \times 4) \\  07 \\  \underline{- 4} \quad (1 \times 4) \\  32 \\  \underline{- 32} \quad (8 \times 4) \\  02 \\  \underline{- 0} \quad (0 \times 4) \\  20 \\  \underline{- 20} \quad (5 \times 4) \\  \text{Remainder --> } 0  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  6920342 \text{ R0} \\  9 \overline{) 62283078} \\  \underline{- 54} \quad (6 \times 9) \\  82 \\  \underline{- 81} \quad (9 \times 9) \\  18 \\  \underline{- 18} \quad (2 \times 9) \\  03 \\  \underline{- 0} \quad (0 \times 9) \\  30 \\  \underline{- 27} \quad (3 \times 9) \\  37 \\  \underline{- 36} \quad (4 \times 9) \\  18 \\  \underline{- 18} \quad (2 \times 9) \\  \text{Remainder --> } 0  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  40670823 \text{ R1} \\  2 \overline{) 81341647} \\  \underline{- 8} \quad (4 \times 2) \\  01 \\  \underline{- 0} \quad (0 \times 2) \\  13 \\  \underline{- 12} \quad (6 \times 2) \\  14 \\  \underline{- 14} \quad (7 \times 2) \\  01 \\  \underline{- 0} \quad (0 \times 2) \\  16 \\  \underline{- 16} \quad (8 \times 2) \\  04 \\  \underline{- 4} \quad (2 \times 2) \\  07 \\  \underline{- 6} \quad (3 \times 2) \\  \text{Remainder --> } 1  \end{array}  $