

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

(1)

$$7 \overline{) 77260715}$$

(2)

$$2 \overline{) 20468186}$$

(3)

$$2 \overline{) 24878870}$$

(4)

$$4 \overline{) 32539132}$$

(5)

$$7 \overline{) 73818193}$$

(6)

$$9 \overline{) 14627628}$$

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}  11037245 \text{ R0} \\  7 \overline{) 77260715} \\  \underline{- 7} \phantom{000000} \quad (1 \times 7) \\  07 \phantom{00000} \\  \underline{- 7} \phantom{00000} \quad (1 \times 7) \\  02 \phantom{00000} \\  \underline{- 0} \phantom{00000} \quad (0 \times 7) \\  26 \phantom{0000} \\  \underline{- 21} \phantom{0000} \quad (3 \times 7) \\  50 \phantom{0000} \\  \underline{- 49} \phantom{0000} \quad (7 \times 7) \\  17 \phantom{0000} \\  \underline{- 14} \phantom{0000} \quad (2 \times 7) \\  31 \phantom{0000} \\  \underline{- 28} \phantom{0000} \quad (4 \times 7) \\  35 \phantom{0000} \\  \underline{- 35} \phantom{0000} \quad (5 \times 7) \\  \text{Remainder -->} \quad 0  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  10234093 \text{ R0} \\  2 \overline{) 20468186} \\  \underline{- 2} \phantom{000000} \quad (1 \times 2) \\  00 \phantom{00000} \\  \underline{- 0} \phantom{00000} \quad (0 \times 2) \\  04 \phantom{00000} \\  \underline{- 4} \phantom{00000} \quad (2 \times 2) \\  06 \phantom{00000} \\  \underline{- 6} \phantom{00000} \quad (3 \times 2) \\  08 \phantom{00000} \\  \underline{- 8} \phantom{00000} \quad (4 \times 2) \\  01 \phantom{00000} \\  \underline{- 0} \phantom{00000} \quad (0 \times 2) \\  18 \phantom{00000} \\  \underline{- 18} \phantom{00000} \quad (9 \times 2) \\  06 \phantom{00000} \\  \underline{- 6} \phantom{00000} \quad (3 \times 2) \\  \text{Remainder -->} \quad 0  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  12439435 \text{ R0} \\  2 \overline{) 24878870} \\  \underline{- 2} \phantom{000000} \quad (1 \times 2) \\  04 \phantom{00000} \\  \underline{- 4} \phantom{00000} \quad (2 \times 2) \\  08 \phantom{00000} \\  \underline{- 8} \phantom{00000} \quad (4 \times 2) \\  07 \phantom{00000} \\  \underline{- 6} \phantom{00000} \quad (3 \times 2) \\  18 \phantom{00000} \\  \underline{- 18} \phantom{00000} \quad (9 \times 2) \\  08 \phantom{00000} \\  \underline{- 8} \phantom{00000} \quad (4 \times 2) \\  07 \phantom{00000} \\  \underline{- 6} \phantom{00000} \quad (3 \times 2) \\  10 \phantom{00000} \\  \underline{- 10} \phantom{00000} \quad (5 \times 2) \\  \text{Remainder -->} \quad 0  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  8134783 \text{ R0} \\  4 \overline{) 32539132} \\  \underline{- 32} \phantom{000000} \quad (8 \times 4) \\  05 \phantom{00000} \\  \underline{- 4} \phantom{00000} \quad (1 \times 4) \\  13 \phantom{00000} \\  \underline{- 12} \phantom{00000} \quad (3 \times 4) \\  19 \phantom{00000} \\  \underline{- 16} \phantom{00000} \quad (4 \times 4) \\  31 \phantom{00000} \\  \underline{- 28} \phantom{00000} \quad (7 \times 4) \\  33 \phantom{00000} \\  \underline{- 32} \phantom{00000} \quad (8 \times 4) \\  12 \phantom{00000} \\  \underline{- 12} \phantom{00000} \quad (3 \times 4) \\  \text{Remainder -->} \quad 0  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  10545456 \text{ R1} \\  7 \overline{) 73818193} \\  \underline{- 7} \phantom{000000} \quad (1 \times 7) \\  03 \phantom{00000} \\  \underline{- 0} \phantom{00000} \quad (0 \times 7) \\  38 \phantom{00000} \\  \underline{- 35} \phantom{00000} \quad (5 \times 7) \\  31 \phantom{00000} \\  \underline{- 28} \phantom{00000} \quad (4 \times 7) \\  38 \phantom{00000} \\  \underline{- 35} \phantom{00000} \quad (5 \times 7) \\  31 \phantom{00000} \\  \underline{- 28} \phantom{00000} \quad (4 \times 7) \\  39 \phantom{00000} \\  \underline{- 35} \phantom{00000} \quad (5 \times 7) \\  43 \phantom{00000} \\  \underline{- 42} \phantom{00000} \quad (6 \times 7) \\  \text{Remainder -->} \quad 1  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  1625292 \text{ R0} \\  9 \overline{) 14627628} \\  \underline{- 9} \phantom{000000} \quad (1 \times 9) \\  56 \phantom{00000} \\  \underline{- 54} \phantom{00000} \quad (6 \times 9) \\  22 \phantom{00000} \\  \underline{- 18} \phantom{00000} \quad (2 \times 9) \\  47 \phantom{00000} \\  \underline{- 45} \phantom{00000} \quad (5 \times 9) \\  26 \phantom{00000} \\  \underline{- 18} \phantom{00000} \quad (2 \times 9) \\  82 \phantom{00000} \\  \underline{- 81} \phantom{00000} \quad (9 \times 9) \\  18 \phantom{00000} \\  \underline{- 18} \phantom{00000} \quad (2 \times 9) \\  \text{Remainder -->} \quad 0  \end{array}  $