

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

(1)

$$5 \overline{)7363556}$$

(2)

$$3 \overline{)8491502}$$

(3)

$$9 \overline{)9261841}$$

(4)

$$9 \overline{)9893478}$$

(5)

$$6 \overline{)2164401}$$

(6)

$$3 \overline{)6604332}$$

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}  1472711 \text{ R1} \\  5 \overline{) 7363556} \\  \underline{- 5} \phantom{000000} \quad (1 \times 5) \\  23 \phantom{000000} \\  \underline{- 20} \phantom{000000} \quad (4 \times 5) \\  36 \phantom{000000} \\  \underline{- 35} \phantom{000000} \quad (7 \times 5) \\  13 \phantom{000000} \\  \underline{- 10} \phantom{000000} \quad (2 \times 5) \\  35 \phantom{000000} \\  \underline{- 35} \phantom{000000} \quad (7 \times 5) \\  05 \phantom{000000} \\  \underline{- 5} \phantom{000000} \quad (1 \times 5) \\  06 \phantom{000000} \\  \underline{- 5} \phantom{000000} \quad (1 \times 5) \\  \text{Remainder -->} \quad 1  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  2830500 \text{ R2} \\  3 \overline{) 8491502} \\  \underline{- 6} \phantom{000000} \quad (2 \times 3) \\  24 \phantom{000000} \\  \underline{- 24} \phantom{000000} \quad (8 \times 3) \\  09 \phantom{000000} \\  \underline{- 9} \phantom{000000} \quad (3 \times 3) \\  01 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 3) \\  15 \phantom{000000} \\  \underline{- 15} \phantom{000000} \quad (5 \times 3) \\  00 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 3) \\  02 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 3) \\  \text{Remainder -->} \quad 2  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  1029093 \text{ R4} \\  9 \overline{) 9261841} \\  \underline{- 9} \phantom{000000} \quad (1 \times 9) \\  02 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 9) \\  26 \phantom{000000} \\  \underline{- 18} \phantom{000000} \quad (2 \times 9) \\  81 \phantom{000000} \\  \underline{- 81} \phantom{000000} \quad (9 \times 9) \\  08 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 9) \\  84 \phantom{000000} \\  \underline{- 81} \phantom{000000} \quad (9 \times 9) \\  31 \phantom{000000} \\  \underline{- 27} \phantom{000000} \quad (3 \times 9) \\  \text{Remainder -->} \quad 4  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  1099275 \text{ R3} \\  9 \overline{) 9893478} \\  \underline{- 9} \phantom{000000} \quad (1 \times 9) \\  08 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 9) \\  89 \phantom{000000} \\  \underline{- 81} \phantom{000000} \quad (9 \times 9) \\  83 \phantom{000000} \\  \underline{- 81} \phantom{000000} \quad (9 \times 9) \\  24 \phantom{000000} \\  \underline{- 18} \phantom{000000} \quad (2 \times 9) \\  67 \phantom{000000} \\  \underline{- 63} \phantom{000000} \quad (7 \times 9) \\  48 \phantom{000000} \\  \underline{- 45} \phantom{000000} \quad (5 \times 9) \\  \text{Remainder -->} \quad 3  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  360733 \text{ R3} \\  6 \overline{) 2164401} \\  \underline{- 18} \phantom{000000} \quad (3 \times 6) \\  36 \phantom{000000} \\  \underline{- 36} \phantom{000000} \quad (6 \times 6) \\  04 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 6) \\  44 \phantom{000000} \\  \underline{- 42} \phantom{000000} \quad (7 \times 6) \\  20 \phantom{000000} \\  \underline{- 18} \phantom{000000} \quad (3 \times 6) \\  21 \phantom{000000} \\  \underline{- 18} \phantom{000000} \quad (3 \times 6) \\  \text{Remainder -->} \quad 3  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  2201444 \text{ R0} \\  3 \overline{) 6604332} \\  \underline{- 6} \phantom{000000} \quad (2 \times 3) \\  06 \phantom{000000} \\  \underline{- 6} \phantom{000000} \quad (2 \times 3) \\  00 \phantom{000000} \\  \underline{- 0} \phantom{000000} \quad (0 \times 3) \\  04 \phantom{000000} \\  \underline{- 3} \phantom{000000} \quad (1 \times 3) \\  13 \phantom{000000} \\  \underline{- 12} \phantom{000000} \quad (4 \times 3) \\  13 \phantom{000000} \\  \underline{- 12} \phantom{000000} \quad (4 \times 3) \\  12 \phantom{000000} \\  \underline{- 12} \phantom{000000} \quad (4 \times 3) \\  \text{Remainder -->} \quad 0  \end{array}  $