

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

(1)

$$2 \overline{) 5276544}$$

(2)

$$3 \overline{) 2164950}$$

(3)

$$6 \overline{) 6196090}$$

(4)

$$4 \overline{) 7234049}$$

(5)

$$7 \overline{) 8080481}$$

(6)

$$8 \overline{) 9132483}$$

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}  2638272 \text{ R}0 \\  2 \overline{) 5276544} \\  \underline{- 4} \quad (2 \times 2) \\  12 \\  \underline{- 12} \quad (6 \times 2) \\  07 \\  \underline{- 6} \quad (3 \times 2) \\  16 \\  \underline{- 16} \quad (8 \times 2) \\  05 \\  \underline{- 4} \quad (2 \times 2) \\  14 \\  \underline{- 14} \quad (7 \times 2) \\  04 \\  \underline{- 4} \quad (2 \times 2) \\  \text{Remainder --> } 0  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  721650 \text{ R}0 \\  3 \overline{) 2164950} \\  \underline{- 21} \quad (7 \times 3) \\  06 \\  \underline{- 6} \quad (2 \times 3) \\  04 \\  \underline{- 3} \quad (1 \times 3) \\  19 \\  \underline{- 18} \quad (6 \times 3) \\  15 \\  \underline{- 15} \quad (5 \times 3) \\  00 \\  \underline{- 0} \quad (0 \times 3) \\  \text{Remainder --> } 0  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  1032681 \text{ R}4 \\  6 \overline{) 6196090} \\  \underline{- 6} \quad (1 \times 6) \\  01 \\  \underline{- 0} \quad (0 \times 6) \\  19 \\  \underline{- 18} \quad (3 \times 6) \\  16 \\  \underline{- 12} \quad (2 \times 6) \\  40 \\  \underline{- 36} \quad (6 \times 6) \\  49 \\  \underline{- 48} \quad (8 \times 6) \\  10 \\  \underline{- 6} \quad (1 \times 6) \\  \text{Remainder --> } 4  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  1808512 \text{ R}1 \\  4 \overline{) 7234049} \\  \underline{- 4} \quad (1 \times 4) \\  32 \\  \underline{- 32} \quad (8 \times 4) \\  03 \\  \underline{- 0} \quad (0 \times 4) \\  34 \\  \underline{- 32} \quad (8 \times 4) \\  20 \\  \underline{- 20} \quad (5 \times 4) \\  04 \\  \underline{- 4} \quad (1 \times 4) \\  09 \\  \underline{- 8} \quad (2 \times 4) \\  \text{Remainder --> } 1  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  1154354 \text{ R}3 \\  7 \overline{) 8080481} \\  \underline{- 7} \quad (1 \times 7) \\  10 \\  \underline{- 7} \quad (1 \times 7) \\  38 \\  \underline{- 35} \quad (5 \times 7) \\  30 \\  \underline{- 28} \quad (4 \times 7) \\  24 \\  \underline{- 21} \quad (3 \times 7) \\  38 \\  \underline{- 35} \quad (5 \times 7) \\  31 \\  \underline{- 28} \quad (4 \times 7) \\  \text{Remainder --> } 3  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  1141560 \text{ R}3 \\  8 \overline{) 9132483} \\  \underline{- 8} \quad (1 \times 8) \\  11 \\  \underline{- 8} \quad (1 \times 8) \\  33 \\  \underline{- 32} \quad (4 \times 8) \\  12 \\  \underline{- 8} \quad (1 \times 8) \\  44 \\  \underline{- 40} \quad (5 \times 8) \\  48 \\  \underline{- 48} \quad (6 \times 8) \\  03 \\  \underline{- 0} \quad (0 \times 8) \\  \text{Remainder --> } 3  \end{array}  $