

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

(1)

$$976 \overline{) 903839809}$$

(2)

$$744 \overline{) 255076983}$$

(3)

$$997 \overline{) 422127105}$$

(4)

$$324 \overline{) 167097222}$$

(5)

$$817 \overline{) 254903300}$$

(6)

$$541 \overline{) 873563729}$$

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}  926065 \text{ R}369 \\  976 \overline{) 903839809} \\  \underline{- 8784} \quad (9 \times 976) \\  2543 \\  \underline{- 1952} \quad (2 \times 976) \\  5919 \\  \underline{- 5856} \quad (6 \times 976) \\  638 \\  \underline{- 0} \quad (0 \times 976) \\  6380 \\  \underline{- 5856} \quad (6 \times 976) \\  5249 \\  \underline{- 4880} \quad (5 \times 976) \\  \text{Remainder -->} \quad 369  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  342845 \text{ R}303 \\  744 \overline{) 255076983} \\  \underline{- 2232} \quad (3 \times 744) \\  3187 \\  \underline{- 2976} \quad (4 \times 744) \\  2116 \\  \underline{- 1488} \quad (2 \times 744) \\  6289 \\  \underline{- 5952} \quad (8 \times 744) \\  3378 \\  \underline{- 2976} \quad (4 \times 744) \\  4023 \\  \underline{- 3720} \quad (5 \times 744) \\  \text{Remainder -->} \quad 303  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  423397 \text{ R}296 \\  997 \overline{) 422127105} \\  \underline{- 3988} \quad (4 \times 997) \\  2332 \\  \underline{- 1994} \quad (2 \times 997) \\  3387 \\  \underline{- 2991} \quad (3 \times 997) \\  3961 \\  \underline{- 2991} \quad (3 \times 997) \\  9700 \\  \underline{- 8973} \quad (9 \times 997) \\  7275 \\  \underline{- 6979} \quad (7 \times 997) \\  \text{Remainder -->} \quad 296  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  515732 \text{ R}54 \\  324 \overline{) 167097222} \\  \underline{- 1620} \quad (5 \times 324) \\  509 \\  \underline{- 324} \quad (1 \times 324) \\  1857 \\  \underline{- 1620} \quad (5 \times 324) \\  2372 \\  \underline{- 2268} \quad (7 \times 324) \\  1042 \\  \underline{- 972} \quad (3 \times 324) \\  702 \\  \underline{- 648} \quad (2 \times 324) \\  \text{Remainder -->} \quad 54  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  311999 \text{ R}117 \\  817 \overline{) 254903300} \\  \underline{- 2451} \quad (3 \times 817) \\  980 \\  \underline{- 817} \quad (1 \times 817) \\  1633 \\  \underline{- 817} \quad (1 \times 817) \\  8163 \\  \underline{- 7353} \quad (9 \times 817) \\  8100 \\  \underline{- 7353} \quad (9 \times 817) \\  7470 \\  \underline{- 7353} \quad (9 \times 817) \\  \text{Remainder -->} \quad 117  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  1614720 \text{ R}209 \\  541 \overline{) 873563729} \\  \underline{- 541} \quad (1 \times 541) \\  3325 \\  \underline{- 3246} \quad (6 \times 541) \\  796 \\  \underline{- 541} \quad (1 \times 541) \\  2553 \\  \underline{- 2164} \quad (4 \times 541) \\  3897 \\  \underline{- 3787} \quad (7 \times 541) \\  1102 \\  \underline{- 1082} \quad (2 \times 541) \\  209 \\  \underline{- 0} \quad (0 \times 541) \\  \text{Remainder -->} \quad 209  \end{array}  $