

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

(1)

$$6200 \overline{)461905834}$$

(2)

$$8248 \overline{)484003070}$$

(3)

$$3955 \overline{)805338969}$$

(4)

$$5165 \overline{)829733486}$$

(5)

$$5890 \overline{)984700276}$$

(6)

$$7206 \overline{)188501964}$$

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}  \phantom{6200} \overline{) 74500} \text{ R}5834 \\  6200 \overline{) 461905834} \\  \underline{- 43400} \quad (7 \times 6200) \\  27905 \\  \underline{- 24800} \quad (4 \times 6200) \\  31058 \\  \underline{- 31000} \quad (5 \times 6200) \\  583 \\  \underline{- 0} \quad (0 \times 6200) \\  5834 \\  \underline{- 0} \quad (0 \times 6200) \\  \text{Remainder --> } 5834  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  \phantom{8248} \overline{) 58681} \text{ R}2182 \\  8248 \overline{) 484003070} \\  \underline{- 41240} \quad (5 \times 8248) \\  71603 \\  \underline{- 65984} \quad (8 \times 8248) \\  56190 \\  \underline{- 49488} \quad (6 \times 8248) \\  67027 \\  \underline{- 65984} \quad (8 \times 8248) \\  10430 \\  \underline{- 8248} \quad (1 \times 8248) \\  \text{Remainder --> } 2182  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  \phantom{3955} \overline{) 203625} \text{ R}2094 \\  3955 \overline{) 805338969} \\  \underline{- 7910} \quad (2 \times 3955) \\  1433 \\  \underline{- 0} \quad (0 \times 3955) \\  14338 \\  \underline{- 11865} \quad (3 \times 3955) \\  24739 \\  \underline{- 23730} \quad (6 \times 3955) \\  10096 \\  \underline{- 7910} \quad (2 \times 3955) \\  21869 \\  \underline{- 19775} \quad (5 \times 3955) \\  \text{Remainder --> } 2094  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  \phantom{5165} \overline{) 160645} \text{ R}2061 \\  5165 \overline{) 829733486} \\  \underline{- 5165} \quad (1 \times 5165) \\  31323 \\  \underline{- 30990} \quad (6 \times 5165) \\  3333 \\  \underline{- 0} \quad (0 \times 5165) \\  33334 \\  \underline{- 30990} \quad (6 \times 5165) \\  23448 \\  \underline{- 20660} \quad (4 \times 5165) \\  27886 \\  \underline{- 25825} \quad (5 \times 5165) \\  \text{Remainder --> } 2061  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  \phantom{5890} \overline{) 167181} \text{ R}4186 \\  5890 \overline{) 984700276} \\  \underline{- 5890} \quad (1 \times 5890) \\  39570 \\  \underline{- 35340} \quad (6 \times 5890) \\  42300 \\  \underline{- 41230} \quad (7 \times 5890) \\  10702 \\  \underline{- 5890} \quad (1 \times 5890) \\  48127 \\  \underline{- 47120} \quad (8 \times 5890) \\  10076 \\  \underline{- 5890} \quad (1 \times 5890) \\  \text{Remainder --> } 4186  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  \phantom{7206} \overline{) 26159} \text{ R}210 \\  7206 \overline{) 188501964} \\  \underline{- 14412} \quad (2 \times 7206) \\  44381 \\  \underline{- 43236} \quad (6 \times 7206) \\  11459 \\  \underline{- 7206} \quad (1 \times 7206) \\  42536 \\  \underline{- 36030} \quad (5 \times 7206) \\  65064 \\  \underline{- 64854} \quad (9 \times 7206) \\  \text{Remainder --> } 210  \end{array}  $