

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

(1)

$$8913 \overline{) 223985034}$$

(2)

$$8260 \overline{) 261922662}$$

(3)

$$4154 \overline{) 867916829}$$

(4)

$$8996 \overline{) 542582655}$$

(5)

$$4923 \overline{) 447453134}$$

(6)

$$5254 \overline{) 237052245}$$

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"

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|--|--|---|
| <p>(1)</p> $  \begin{array}{r}  25130 \text{ R}1344 \\  8913 \overline{) 223985034} \\  \underline{- 17826} \quad (2 \times 8913) \\  45725 \\  \underline{- 44565} \quad (5 \times 8913) \\  11600 \\  \underline{- 8913} \quad (1 \times 8913) \\  26873 \\  \underline{- 26739} \quad (3 \times 8913) \\  1344 \\  \underline{- 0} \quad (0 \times 8913) \\  \text{Remainder --> } 1344  \end{array}  $ | <p>(2)</p> $  \begin{array}{r}  31709 \text{ R}6322 \\  8260 \overline{) 261922662} \\  \underline{- 24780} \quad (3 \times 8260) \\  14122 \\  \underline{- 8260} \quad (1 \times 8260) \\  58626 \\  \underline{- 57820} \quad (7 \times 8260) \\  8066 \\  \underline{- 0} \quad (0 \times 8260) \\  80662 \\  \underline{- 74340} \quad (9 \times 8260) \\  \text{Remainder --> } 6322  \end{array}  $ | <p>(3)</p> $  \begin{array}{r}  208935 \text{ R}839 \\  4154 \overline{) 867916829} \\  \underline{- 8308} \quad (2 \times 4154) \\  3711 \\  \underline{- 0} \quad (0 \times 4154) \\  37116 \\  \underline{- 33232} \quad (8 \times 4154) \\  38848 \\  \underline{- 37386} \quad (9 \times 4154) \\  14622 \\  \underline{- 12462} \quad (3 \times 4154) \\  21609 \\  \underline{- 20770} \quad (5 \times 4154) \\  \text{Remainder --> } 839  \end{array}  $ |
| <p>(4)</p> $  \begin{array}{r}  60313 \text{ R}6907 \\  8996 \overline{) 542582655} \\  \underline{- 53976} \quad (6 \times 8996) \\  2822 \\  \underline{- 0} \quad (0 \times 8996) \\  28226 \\  \underline{- 26988} \quad (3 \times 8996) \\  12385 \\  \underline{- 8996} \quad (1 \times 8996) \\  33895 \\  \underline{- 26988} \quad (3 \times 8996) \\  \text{Remainder --> } 6907  \end{array}  $ | <p>(5)</p> $  \begin{array}{r}  90890 \text{ R}1664 \\  4923 \overline{) 447453134} \\  \underline{- 44307} \quad (9 \times 4923) \\  4383 \\  \underline{- 0} \quad (0 \times 4923) \\  43831 \\  \underline{- 39384} \quad (8 \times 4923) \\  44473 \\  \underline{- 44307} \quad (9 \times 4923) \\  1664 \\  \underline{- 0} \quad (0 \times 4923) \\  \text{Remainder --> } 1664  \end{array}  $     | <p>(6)</p> $  \begin{array}{r}  45118 \text{ R}2273 \\  5254 \overline{) 237052245} \\  \underline{- 21016} \quad (4 \times 5254) \\  26892 \\  \underline{- 26270} \quad (5 \times 5254) \\  6222 \\  \underline{- 5254} \quad (1 \times 5254) \\  9684 \\  \underline{- 5254} \quad (1 \times 5254) \\  44305 \\  \underline{- 42032} \quad (8 \times 5254) \\  \text{Remainder --> } 2273  \end{array}  $  |