

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

(1)

$$3487 \overline{) 877638635}$$

(2)

$$5648 \overline{) 830543732}$$

(3)

$$5968 \overline{) 885998504}$$

(4)

$$5762 \overline{) 559020044}$$

(5)

$$4097 \overline{) 139868287}$$

(6)

$$4050 \overline{) 797051636}$$

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Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $  \begin{array}{r}  251688 \text{ R}2579 \\  3487 \overline{) 877638635} \\  \underline{- 6974} \quad (2 \times 3487) \\  18023 \\  \underline{- 17435} \quad (5 \times 3487) \\  5888 \\  \underline{- 3487} \quad (1 \times 3487) \\  24016 \\  \underline{- 20922} \quad (6 \times 3487) \\  30943 \\  \underline{- 27896} \quad (8 \times 3487) \\  30475 \\  \underline{- 27896} \quad (8 \times 3487) \\  \text{Remainder --> } 2579  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  147050 \text{ R}5332 \\  5648 \overline{) 830543732} \\  \underline{- 5648} \quad (1 \times 5648) \\  26574 \\  \underline{- 22592} \quad (4 \times 5648) \\  39823 \\  \underline{- 39536} \quad (7 \times 5648) \\  2877 \\  \underline{- 0} \quad (0 \times 5648) \\  28773 \\  \underline{- 28240} \quad (5 \times 5648) \\  5332 \\  \underline{- 0} \quad (0 \times 5648) \\  \text{Remainder --> } 5332  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  148458 \text{ R}1160 \\  5968 \overline{) 885998504} \\  \underline{- 5968} \quad (1 \times 5968) \\  28919 \\  \underline{- 23872} \quad (4 \times 5968) \\  50478 \\  \underline{- 47744} \quad (8 \times 5968) \\  27345 \\  \underline{- 23872} \quad (4 \times 5968) \\  34730 \\  \underline{- 29840} \quad (5 \times 5968) \\  48904 \\  \underline{- 47744} \quad (8 \times 5968) \\  \text{Remainder --> } 1160  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  97018 \text{ R}2328 \\  5762 \overline{) 559020044} \\  \underline{- 51858} \quad (9 \times 5762) \\  40440 \\  \underline{- 40334} \quad (7 \times 5762) \\  1060 \\  \underline{- 0} \quad (0 \times 5762) \\  10604 \\  \underline{- 5762} \quad (1 \times 5762) \\  48424 \\  \underline{- 46096} \quad (8 \times 5762) \\  \text{Remainder --> } 2328  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  34139 \text{ R}804 \\  4097 \overline{) 139868287} \\  \underline{- 12291} \quad (3 \times 4097) \\  16958 \\  \underline{- 16388} \quad (4 \times 4097) \\  5702 \\  \underline{- 4097} \quad (1 \times 4097) \\  16058 \\  \underline{- 12291} \quad (3 \times 4097) \\  37677 \\  \underline{- 36873} \quad (9 \times 4097) \\  \text{Remainder --> } 804  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  196802 \text{ R}3536 \\  4050 \overline{) 797051636} \\  \underline{- 4050} \quad (1 \times 4050) \\  39205 \\  \underline{- 36450} \quad (9 \times 4050) \\  27551 \\  \underline{- 24300} \quad (6 \times 4050) \\  32516 \\  \underline{- 32400} \quad (8 \times 4050) \\  1163 \\  \underline{- 0} \quad (0 \times 4050) \\  11636 \\  \underline{- 8100} \quad (2 \times 4050) \\  \text{Remainder --> } 3536  \end{array}  $