

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

(1)

$$6 \overline{)633733}$$

(2)

$$6 \overline{)147194}$$

(3)

$$2 \overline{)397503}$$

(4)

$$5 \overline{)338663}$$

(5)

$$4 \overline{)482602}$$

(6)

$$9 \overline{)281436}$$

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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}  105622 \text{ R1} \\  6 \overline{) 633733} \\  \underline{- 6} \qquad (1 \times 6) \\  03 \\  \underline{- 0} \qquad (0 \times 6) \\  33 \\  \underline{- 30} \qquad (5 \times 6) \\  37 \\  \underline{- 36} \qquad (6 \times 6) \\  13 \\  \underline{- 12} \qquad (2 \times 6) \\  13 \\  \underline{- 12} \qquad (2 \times 6) \\  \text{Remainder --> } 1  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  24532 \text{ R2} \\  6 \overline{) 147194} \\  \underline{- 12} \qquad (2 \times 6) \\  27 \\  \underline{- 24} \qquad (4 \times 6) \\  31 \\  \underline{- 30} \qquad (5 \times 6) \\  19 \\  \underline{- 18} \qquad (3 \times 6) \\  14 \\  \underline{- 12} \qquad (2 \times 6) \\  \text{Remainder --> } 2  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  198751 \text{ R1} \\  2 \overline{) 397503} \\  \underline{- 2} \qquad (1 \times 2) \\  19 \\  \underline{- 18} \qquad (9 \times 2) \\  17 \\  \underline{- 16} \qquad (8 \times 2) \\  15 \\  \underline{- 14} \qquad (7 \times 2) \\  10 \\  \underline{- 10} \qquad (5 \times 2) \\  03 \\  \underline{- 2} \qquad (1 \times 2) \\  \text{Remainder --> } 1  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  67732 \text{ R3} \\  5 \overline{) 338663} \\  \underline{- 30} \qquad (6 \times 5) \\  38 \\  \underline{- 35} \qquad (7 \times 5) \\  36 \\  \underline{- 35} \qquad (7 \times 5) \\  16 \\  \underline{- 15} \qquad (3 \times 5) \\  13 \\  \underline{- 10} \qquad (2 \times 5) \\  \text{Remainder --> } 3  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  120650 \text{ R2} \\  4 \overline{) 482602} \\  \underline{- 4} \qquad (1 \times 4) \\  08 \\  \underline{- 8} \qquad (2 \times 4) \\  02 \\  \underline{- 0} \qquad (0 \times 4) \\  26 \\  \underline{- 24} \qquad (6 \times 4) \\  20 \\  \underline{- 20} \qquad (5 \times 4) \\  02 \\  \underline{- 0} \qquad (0 \times 4) \\  \text{Remainder --> } 2  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  31270 \text{ R6} \\  9 \overline{) 281436} \\  \underline{- 27} \qquad (3 \times 9) \\  11 \\  \underline{- 9} \qquad (1 \times 9) \\  24 \\  \underline{- 18} \qquad (2 \times 9) \\  63 \\  \underline{- 63} \qquad (7 \times 9) \\  06 \\  \underline{- 0} \qquad (0 \times 9) \\  \text{Remainder --> } 6  \end{array}  $