

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

(1)

$$7 \overline{)624840}$$

(2)

$$6 \overline{)984699}$$

(3)

$$7 \overline{)110663}$$

(4)

$$8 \overline{)177105}$$

(5)

$$5 \overline{)821327}$$

(6)

$$6 \overline{)834747}$$

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}  89262 \text{ R6} \\  7 \overline{) 624840} \\  \underline{- 56} \qquad (8 \times 7) \\  64 \\  \underline{- 63} \qquad (9 \times 7) \\  18 \\  \underline{- 14} \qquad (2 \times 7) \\  44 \\  \underline{- 42} \qquad (6 \times 7) \\  20 \\  \underline{- 14} \qquad (2 \times 7) \\  \text{Remainder --> } 6  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  164116 \text{ R3} \\  6 \overline{) 984699} \\  \underline{- 6} \qquad (1 \times 6) \\  38 \\  \underline{- 36} \qquad (6 \times 6) \\  24 \\  \underline{- 24} \qquad (4 \times 6) \\  06 \\  \underline{- 6} \qquad (1 \times 6) \\  09 \\  \underline{- 6} \qquad (1 \times 6) \\  39 \\  \underline{- 36} \qquad (6 \times 6) \\  \text{Remainder --> } 3  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  15809 \text{ R0} \\  7 \overline{) 110663} \\  \underline{- 7} \qquad (1 \times 7) \\  40 \\  \underline{- 35} \qquad (5 \times 7) \\  56 \\  \underline{- 56} \qquad (8 \times 7) \\  06 \\  \underline{- 0} \qquad (0 \times 7) \\  63 \\  \underline{- 63} \qquad (9 \times 7) \\  \text{Remainder --> } 0  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  22138 \text{ R1} \\  8 \overline{) 177105} \\  \underline{- 16} \qquad (2 \times 8) \\  17 \\  \underline{- 16} \qquad (2 \times 8) \\  11 \\  \underline{- 8} \qquad (1 \times 8) \\  30 \\  \underline{- 24} \qquad (3 \times 8) \\  65 \\  \underline{- 64} \qquad (8 \times 8) \\  \text{Remainder --> } 1  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  164265 \text{ R2} \\  5 \overline{) 821327} \\  \underline{- 5} \qquad (1 \times 5) \\  32 \\  \underline{- 30} \qquad (6 \times 5) \\  21 \\  \underline{- 20} \qquad (4 \times 5) \\  13 \\  \underline{- 10} \qquad (2 \times 5) \\  32 \\  \underline{- 30} \qquad (6 \times 5) \\  27 \\  \underline{- 25} \qquad (5 \times 5) \\  \text{Remainder --> } 2  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  139124 \text{ R3} \\  6 \overline{) 834747} \\  \underline{- 6} \qquad (1 \times 6) \\  23 \\  \underline{- 18} \qquad (3 \times 6) \\  54 \\  \underline{- 54} \qquad (9 \times 6) \\  07 \\  \underline{- 6} \qquad (1 \times 6) \\  14 \\  \underline{- 12} \qquad (2 \times 6) \\  27 \\  \underline{- 24} \qquad (4 \times 6) \\  \text{Remainder --> } 3  \end{array}  $