

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

(1)

$$21 \overline{) 1102965}$$

(2)

$$63 \overline{) 7551554}$$

(3)

$$88 \overline{) 6864152}$$

(4)

$$98 \overline{) 3072800}$$

(5)

$$87 \overline{) 7883899}$$

(6)

$$36 \overline{) 6394226}$$

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{21} \overline{) 52522} \text{ R3} \\  21 \overline{) 1102965} \\  \underline{- 105} \qquad (5 \times 21) \\  \phantom{0} 52 \\  \underline{- 42} \qquad (2 \times 21) \\  \phantom{00} 109 \\  \underline{- 105} \qquad (5 \times 21) \\  \phantom{000} 46 \\  \underline{- 42} \qquad (2 \times 21) \\  \phantom{0000} 45 \\  \underline{- 42} \qquad (2 \times 21) \\  \phantom{00000} \text{Remainder -->} \quad 3  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  \phantom{63} \overline{) 119865} \text{ R59} \\  63 \overline{) 7551554} \\  \underline{- 63} \qquad (1 \times 63) \\  \phantom{0} 125 \\  \underline{- 63} \qquad (1 \times 63) \\  \phantom{00} 621 \\  \underline{- 567} \qquad (9 \times 63) \\  \phantom{000} 545 \\  \underline{- 504} \qquad (8 \times 63) \\  \phantom{0000} 415 \\  \underline{- 378} \qquad (6 \times 63) \\  \phantom{00000} 374 \\  \underline{- 315} \qquad (5 \times 63) \\  \phantom{000000} \text{Remainder -->} \quad 59  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  \phantom{88} \overline{) 78001} \text{ R64} \\  88 \overline{) 6864152} \\  \underline{- 616} \qquad (7 \times 88) \\  \phantom{0} 704 \\  \underline{- 704} \qquad (8 \times 88) \\  \phantom{00} 01 \\  \underline{- 0} \qquad (0 \times 88) \\  \phantom{000} 15 \\  \underline{- 0} \qquad (0 \times 88) \\  \phantom{0000} 152 \\  \underline{- 88} \qquad (1 \times 88) \\  \phantom{00000} \text{Remainder -->} \quad 64  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  \phantom{98} \overline{) 31355} \text{ R10} \\  98 \overline{) 3072800} \\  \underline{- 294} \qquad (3 \times 98) \\  \phantom{0} 132 \\  \underline{- 98} \qquad (1 \times 98) \\  \phantom{00} 348 \\  \underline{- 294} \qquad (3 \times 98) \\  \phantom{000} 540 \\  \underline{- 490} \qquad (5 \times 98) \\  \phantom{0000} 500 \\  \underline{- 490} \qquad (5 \times 98) \\  \phantom{00000} \text{Remainder -->} \quad 10  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  \phantom{87} \overline{) 90619} \text{ R46} \\  87 \overline{) 7883899} \\  \underline{- 783} \qquad (9 \times 87) \\  \phantom{0} 53 \\  \underline{- 0} \qquad (0 \times 87) \\  \phantom{00} 538 \\  \underline{- 522} \qquad (6 \times 87) \\  \phantom{000} 169 \\  \underline{- 87} \qquad (1 \times 87) \\  \phantom{0000} 829 \\  \underline{- 783} \qquad (9 \times 87) \\  \phantom{00000} \text{Remainder -->} \quad 46  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  \phantom{36} \overline{) 177617} \text{ R14} \\  36 \overline{) 6394226} \\  \underline{- 36} \qquad (1 \times 36) \\  \phantom{0} 279 \\  \underline{- 252} \qquad (7 \times 36) \\  \phantom{00} 274 \\  \underline{- 252} \qquad (7 \times 36) \\  \phantom{000} 222 \\  \underline{- 216} \qquad (6 \times 36) \\  \phantom{0000} 62 \\  \underline{- 36} \qquad (1 \times 36) \\  \phantom{00000} 266 \\  \underline{- 252} \qquad (7 \times 36) \\  \phantom{000000} \text{Remainder -->} \quad 14  \end{array}  $