

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

(1)

$$65 \overline{) 1362076}$$

(2)

$$25 \overline{) 4151156}$$

(3)

$$64 \overline{) 4189647}$$

(4)

$$72 \overline{) 8326865}$$

(5)

$$74 \overline{) 5097989}$$

(6)

$$12 \overline{) 4581595}$$

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{65} \overline{) 20955 \text{ R}1} \\  65 \overline{) 1362076} \\  \underline{- 130} \qquad (2 \times 65) \\  \phantom{0} 62 \\  \underline{- 0} \qquad (0 \times 65) \\  \phantom{0} 620 \\  \underline{- 585} \qquad (9 \times 65) \\  \phantom{0} 357 \\  \underline{- 325} \qquad (5 \times 65) \\  \phantom{0} 326 \\  \underline{- 325} \qquad (5 \times 65) \\  \text{Remainder -->} \phantom{0} 1  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  \phantom{25} \overline{) 166046 \text{ R}6} \\  25 \overline{) 4151156} \\  \underline{- 25} \qquad (1 \times 25) \\  \phantom{0} 165 \\  \underline{- 150} \qquad (6 \times 25) \\  \phantom{0} 151 \\  \underline{- 150} \qquad (6 \times 25) \\  \phantom{0} 11 \\  \underline{- 0} \qquad (0 \times 25) \\  \phantom{0} 115 \\  \underline{- 100} \qquad (4 \times 25) \\  \phantom{0} 156 \\  \underline{- 150} \qquad (6 \times 25) \\  \text{Remainder -->} \phantom{0} 6  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  \phantom{64} \overline{) 65463 \text{ R}15} \\  64 \overline{) 4189647} \\  \underline{- 384} \qquad (6 \times 64) \\  \phantom{0} 349 \\  \underline{- 320} \qquad (5 \times 64) \\  \phantom{0} 296 \\  \underline{- 256} \qquad (4 \times 64) \\  \phantom{0} 404 \\  \underline{- 384} \qquad (6 \times 64) \\  \phantom{0} 207 \\  \underline{- 192} \qquad (3 \times 64) \\  \text{Remainder -->} \phantom{0} 15  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  \phantom{72} \overline{) 115650 \text{ R}65} \\  72 \overline{) 8326865} \\  \underline{- 72} \qquad (1 \times 72) \\  \phantom{0} 112 \\  \underline{- 72} \qquad (1 \times 72) \\  \phantom{0} 406 \\  \underline{- 360} \qquad (5 \times 72) \\  \phantom{0} 468 \\  \underline{- 432} \qquad (6 \times 72) \\  \phantom{0} 366 \\  \underline{- 360} \qquad (5 \times 72) \\  \phantom{0} 65 \\  \underline{- 0} \qquad (0 \times 72) \\  \text{Remainder -->} \phantom{0} 65  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  \phantom{74} \overline{) 68891 \text{ R}55} \\  74 \overline{) 5097989} \\  \underline{- 444} \qquad (6 \times 74) \\  \phantom{0} 657 \\  \underline{- 592} \qquad (8 \times 74) \\  \phantom{0} 659 \\  \underline{- 592} \qquad (8 \times 74) \\  \phantom{0} 678 \\  \underline{- 666} \qquad (9 \times 74) \\  \phantom{0} 129 \\  \underline{- 74} \qquad (1 \times 74) \\  \text{Remainder -->} \phantom{0} 55  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  \phantom{12} \overline{) 381799 \text{ R}7} \\  12 \overline{) 4581595} \\  \underline{- 36} \qquad (3 \times 12) \\  \phantom{0} 98 \\  \underline{- 96} \qquad (8 \times 12) \\  \phantom{0} 21 \\  \underline{- 12} \qquad (1 \times 12) \\  \phantom{0} 95 \\  \underline{- 84} \qquad (7 \times 12) \\  \phantom{0} 119 \\  \underline{- 108} \qquad (9 \times 12) \\  \phantom{0} 115 \\  \underline{- 108} \qquad (9 \times 12) \\  \text{Remainder -->} \phantom{0} 7  \end{array}  $