

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

(1)

$$686 \overline{)672080}$$

(2)

$$457 \overline{)905351}$$

(3)

$$493 \overline{)635654}$$

(4)

$$825 \overline{)468151}$$

(5)

$$964 \overline{)472035}$$

(6)

$$709 \overline{)701560}$$

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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}  \phantom{686} \overline{) 672080} \quad \text{R}486 \\  \underline{- 6174} \quad (9 \times 686) \\  5468 \\  \underline{- 4802} \quad (7 \times 686) \\  6660 \\  \underline{- 6174} \quad (9 \times 686) \\  \text{Remainder -->} \quad 486  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  \phantom{457} \overline{) 905351} \quad \text{R}34 \\  \underline{- 457} \quad (1 \times 457) \\  4483 \\  \underline{- 4113} \quad (9 \times 457) \\  3705 \\  \underline{- 3656} \quad (8 \times 457) \\  491 \\  \underline{- 457} \quad (1 \times 457) \\  \text{Remainder -->} \quad 34  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  \phantom{493} \overline{) 635654} \quad \text{R}177 \\  \underline{- 493} \quad (1 \times 493) \\  1426 \\  \underline{- 986} \quad (2 \times 493) \\  4405 \\  \underline{- 3944} \quad (8 \times 493) \\  4614 \\  \underline{- 4437} \quad (9 \times 493) \\  \text{Remainder -->} \quad 177  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  \phantom{825} \overline{) 468151} \quad \text{R}376 \\  \underline{- 4125} \quad (5 \times 825) \\  5565 \\  \underline{- 4950} \quad (6 \times 825) \\  6151 \\  \underline{- 5775} \quad (7 \times 825) \\  \text{Remainder -->} \quad 376  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  \phantom{964} \overline{) 472035} \quad \text{R}639 \\  \underline{- 3856} \quad (4 \times 964) \\  8643 \\  \underline{- 7712} \quad (8 \times 964) \\  9315 \\  \underline{- 8676} \quad (9 \times 964) \\  \text{Remainder -->} \quad 639  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  \phantom{709} \overline{) 701560} \quad \text{R}359 \\  \underline{- 6381} \quad (9 \times 709) \\  6346 \\  \underline{- 5672} \quad (8 \times 709) \\  6740 \\  \underline{- 6381} \quad (9 \times 709) \\  \text{Remainder -->} \quad 359  \end{array}  $