

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

(1)

$$20 \overline{) 30527}$$

(2)

$$45 \overline{) 35915}$$

(3)

$$87 \overline{) 49016}$$

(4)

$$82 \overline{) 16922}$$

(5)

$$20 \overline{) 94257}$$

(6)

$$86 \overline{) 46324}$$

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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} 1526 \text{ R}7 \\ 20 \overline{) 30527} \\ \underline{- 20} \qquad (1 \times 20) \\ 105 \\ \underline{- 100} \qquad (5 \times 20) \\ 52 \\ \underline{- 40} \qquad (2 \times 20) \\ 127 \\ \underline{- 120} \qquad (6 \times 20) \\ \text{Remainder --> } 7 \end{array} $	<p>(2)</p> $ \begin{array}{r} 798 \text{ R}5 \\ 45 \overline{) 35915} \\ \underline{- 315} \qquad (7 \times 45) \\ 441 \\ \underline{- 405} \qquad (9 \times 45) \\ 365 \\ \underline{- 360} \qquad (8 \times 45) \\ \text{Remainder --> } 5 \end{array} $	<p>(3)</p> $ \begin{array}{r} 563 \text{ R}35 \\ 87 \overline{) 49016} \\ \underline{- 435} \qquad (5 \times 87) \\ 551 \\ \underline{- 522} \qquad (6 \times 87) \\ 296 \\ \underline{- 261} \qquad (3 \times 87) \\ \text{Remainder --> } 35 \end{array} $
<p>(4)</p> $ \begin{array}{r} 206 \text{ R}30 \\ 82 \overline{) 16922} \\ \underline{- 164} \qquad (2 \times 82) \\ 52 \\ \underline{- 0} \qquad (0 \times 82) \\ 522 \\ \underline{- 492} \qquad (6 \times 82) \\ \text{Remainder --> } 30 \end{array} $	<p>(5)</p> $ \begin{array}{r} 4712 \text{ R}17 \\ 20 \overline{) 94257} \\ \underline{- 80} \qquad (4 \times 20) \\ 142 \\ \underline{- 140} \qquad (7 \times 20) \\ 25 \\ \underline{- 20} \qquad (1 \times 20) \\ 57 \\ \underline{- 40} \qquad (2 \times 20) \\ \text{Remainder --> } 17 \end{array} $	<p>(6)</p> $ \begin{array}{r} 538 \text{ R}56 \\ 86 \overline{) 46324} \\ \underline{- 430} \qquad (5 \times 86) \\ 332 \\ \underline{- 258} \qquad (3 \times 86) \\ 744 \\ \underline{- 688} \qquad (8 \times 86) \\ \text{Remainder --> } 56 \end{array} $