

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

(1)

$$8 \overline{)628}$$

(2)

$$7 \overline{)893}$$

(3)

$$3 \overline{)254}$$

(4)

$$8 \overline{)837}$$

(5)

$$9 \overline{)685}$$

(6)

$$4 \overline{)627}$$

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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} 78 \text{ R}4 \\ 8 \overline{) 628} \\ \underline{- 56} \qquad (7 \times 8) \\ 68 \\ \underline{- 64} \qquad (8 \times 8) \\ \text{Remainder --> } 4 \end{array} $	<p>(2)</p> $ \begin{array}{r} 127 \text{ R}4 \\ 7 \overline{) 893} \\ \underline{- 7} \qquad (1 \times 7) \\ 19 \\ \underline{- 14} \qquad (2 \times 7) \\ 53 \\ \underline{- 49} \qquad (7 \times 7) \\ \text{Remainder --> } 4 \end{array} $	<p>(3)</p> $ \begin{array}{r} 84 \text{ R}2 \\ 3 \overline{) 254} \\ \underline{- 24} \qquad (8 \times 3) \\ 14 \\ \underline{- 12} \qquad (4 \times 3) \\ \text{Remainder --> } 2 \end{array} $
<p>(4)</p> $ \begin{array}{r} 104 \text{ R}5 \\ 8 \overline{) 837} \\ \underline{- 8} \qquad (1 \times 8) \\ 03 \\ \underline{- 0} \qquad (0 \times 8) \\ 37 \\ \underline{- 32} \qquad (4 \times 8) \\ \text{Remainder --> } 5 \end{array} $	<p>(5)</p> $ \begin{array}{r} 76 \text{ R}1 \\ 9 \overline{) 685} \\ \underline{- 63} \qquad (7 \times 9) \\ 55 \\ \underline{- 54} \qquad (6 \times 9) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 156 \text{ R}3 \\ 4 \overline{) 627} \\ \underline{- 4} \qquad (1 \times 4) \\ 22 \\ \underline{- 20} \qquad (5 \times 4) \\ 27 \\ \underline{- 24} \qquad (6 \times 4) \\ \text{Remainder --> } 3 \end{array} $