

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

(1)

$$4 \overline{)8668}$$

(2)

$$9 \overline{)8026}$$

(3)

$$6 \overline{)8146}$$

(4)

$$8 \overline{)1943}$$

(5)

$$6 \overline{)4654}$$

(6)

$$2 \overline{)6820}$$

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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}  2167 \text{ R}0 \\  4 \overline{) 8668} \\  \underline{- 8} \qquad (2 \times 4) \\  06 \\  \underline{- 4} \qquad (1 \times 4) \\  26 \\  \underline{- 24} \qquad (6 \times 4) \\  28 \\  \underline{- 28} \qquad (7 \times 4) \\  \text{Remainder --> } 0  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  891 \text{ R}7 \\  9 \overline{) 8026} \\  \underline{- 72} \qquad (8 \times 9) \\  82 \\  \underline{- 81} \qquad (9 \times 9) \\  16 \\  \underline{- 9} \qquad (1 \times 9) \\  \text{Remainder --> } 7  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  1357 \text{ R}4 \\  6 \overline{) 8146} \\  \underline{- 6} \qquad (1 \times 6) \\  21 \\  \underline{- 18} \qquad (3 \times 6) \\  34 \\  \underline{- 30} \qquad (5 \times 6) \\  46 \\  \underline{- 42} \qquad (7 \times 6) \\  \text{Remainder --> } 4  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  242 \text{ R}7 \\  8 \overline{) 1943} \\  \underline{- 16} \qquad (2 \times 8) \\  34 \\  \underline{- 32} \qquad (4 \times 8) \\  23 \\  \underline{- 16} \qquad (2 \times 8) \\  \text{Remainder --> } 7  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  775 \text{ R}4 \\  6 \overline{) 4654} \\  \underline{- 42} \qquad (7 \times 6) \\  45 \\  \underline{- 42} \qquad (7 \times 6) \\  34 \\  \underline{- 30} \qquad (5 \times 6) \\  \text{Remainder --> } 4  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  3410 \text{ R}0 \\  2 \overline{) 6820} \\  \underline{- 6} \qquad (3 \times 2) \\  08 \\  \underline{- 8} \qquad (4 \times 2) \\  02 \\  \underline{- 2} \qquad (1 \times 2) \\  00 \\  \underline{- 0} \qquad (0 \times 2) \\  \text{Remainder --> } 0  \end{array}  $