

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

(1)

$$2 \overline{)1450}$$

(2)

$$2 \overline{)9348}$$

(3)

$$4 \overline{)8166}$$

(4)

$$3 \overline{)8122}$$

(5)

$$4 \overline{)2652}$$

(6)

$$8 \overline{)5874}$$

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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} 725 \text{ R0} \\ 2 \overline{) 1450} \\ \underline{- 14} \qquad (7 \times 2) \\ 05 \\ \underline{- 4} \qquad (2 \times 2) \\ 10 \\ \underline{- 10} \qquad (5 \times 2) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 4674 \text{ R0} \\ 2 \overline{) 9348} \\ \underline{- 8} \qquad (4 \times 2) \\ 13 \\ \underline{- 12} \qquad (6 \times 2) \\ 14 \\ \underline{- 14} \qquad (7 \times 2) \\ 08 \\ \underline{- 8} \qquad (4 \times 2) \\ \text{Remainder --> } 0 \end{array} $	<p>(3)</p> $ \begin{array}{r} 2041 \text{ R2} \\ 4 \overline{) 8166} \\ \underline{- 8} \qquad (2 \times 4) \\ 01 \\ \underline{- 0} \qquad (0 \times 4) \\ 16 \\ \underline{- 16} \qquad (4 \times 4) \\ 06 \\ \underline{- 4} \qquad (1 \times 4) \\ \text{Remainder --> } 2 \end{array} $
<p>(4)</p> $ \begin{array}{r} 2707 \text{ R1} \\ 3 \overline{) 8122} \\ \underline{- 6} \qquad (2 \times 3) \\ 21 \\ \underline{- 21} \qquad (7 \times 3) \\ 02 \\ \underline{- 0} \qquad (0 \times 3) \\ 22 \\ \underline{- 21} \qquad (7 \times 3) \\ \text{Remainder --> } 1 \end{array} $	<p>(5)</p> $ \begin{array}{r} 663 \text{ R0} \\ 4 \overline{) 2652} \\ \underline{- 24} \qquad (6 \times 4) \\ 25 \\ \underline{- 24} \qquad (6 \times 4) \\ 12 \\ \underline{- 12} \qquad (3 \times 4) \\ \text{Remainder --> } 0 \end{array} $	<p>(6)</p> $ \begin{array}{r} 734 \text{ R2} \\ 8 \overline{) 5874} \\ \underline{- 56} \qquad (7 \times 8) \\ 27 \\ \underline{- 24} \qquad (3 \times 8) \\ 34 \\ \underline{- 32} \qquad (4 \times 8) \\ \text{Remainder --> } 2 \end{array} $