

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

(1)

$$3 \overline{)9265}$$

(2)

$$5 \overline{)2606}$$

(3)

$$6 \overline{)2412}$$

(4)

$$6 \overline{)9347}$$

(5)

$$4 \overline{)9099}$$

(6)

$$8 \overline{)3825}$$

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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} 3088 \text{ R1} \\ 3 \overline{) 9265} \\ \underline{- 9} \qquad (3 \times 3) \\ 02 \\ \underline{- 0} \qquad (0 \times 3) \\ 26 \\ \underline{- 24} \qquad (8 \times 3) \\ 25 \\ \underline{- 24} \qquad (8 \times 3) \\ \text{Remainder --> } 1 \end{array} $	<p>(2)</p> $ \begin{array}{r} 521 \text{ R1} \\ 5 \overline{) 2606} \\ \underline{- 25} \qquad (5 \times 5) \\ 10 \\ \underline{- 10} \qquad (2 \times 5) \\ 06 \\ \underline{- 5} \qquad (1 \times 5) \\ \text{Remainder --> } 1 \end{array} $	<p>(3)</p> $ \begin{array}{r} 402 \text{ R0} \\ 6 \overline{) 2412} \\ \underline{- 24} \qquad (4 \times 6) \\ 01 \\ \underline{- 0} \qquad (0 \times 6) \\ 12 \\ \underline{- 12} \qquad (2 \times 6) \\ \text{Remainder --> } 0 \end{array} $
<p>(4)</p> $ \begin{array}{r} 1557 \text{ R5} \\ 6 \overline{) 9347} \\ \underline{- 6} \qquad (1 \times 6) \\ 33 \\ \underline{- 30} \qquad (5 \times 6) \\ 34 \\ \underline{- 30} \qquad (5 \times 6) \\ 47 \\ \underline{- 42} \qquad (7 \times 6) \\ \text{Remainder --> } 5 \end{array} $	<p>(5)</p> $ \begin{array}{r} 2274 \text{ R3} \\ 4 \overline{) 9099} \\ \underline{- 8} \qquad (2 \times 4) \\ 10 \\ \underline{- 8} \qquad (2 \times 4) \\ 29 \\ \underline{- 28} \qquad (7 \times 4) \\ 19 \\ \underline{- 16} \qquad (4 \times 4) \\ \text{Remainder --> } 3 \end{array} $	<p>(6)</p> $ \begin{array}{r} 478 \text{ R1} \\ 8 \overline{) 3825} \\ \underline{- 32} \qquad (4 \times 8) \\ 62 \\ \underline{- 56} \qquad (7 \times 8) \\ 65 \\ \underline{- 64} \qquad (8 \times 8) \\ \text{Remainder --> } 1 \end{array} $