

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

(1)

$$6 \overline{)3021}$$

(2)

$$8 \overline{)3900}$$

(3)

$$8 \overline{)4162}$$

(4)

$$3 \overline{)4958}$$

(5)

$$4 \overline{)5905}$$

(6)

$$5 \overline{)7812}$$

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

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 503 \text{ R}3 \\ 6 \overline{) 3021} \\ \underline{- 30} \quad (5 \times 6) \\ 02 \\ \underline{- 0} \quad (0 \times 6) \\ 21 \\ \underline{- 18} \quad (3 \times 6) \\ \text{Remainder --> } 3 \end{array} $	<p>(2)</p> $ \begin{array}{r} 487 \text{ R}4 \\ 8 \overline{) 3900} \\ \underline{- 32} \quad (4 \times 8) \\ 70 \\ \underline{- 64} \quad (8 \times 8) \\ 60 \\ \underline{- 56} \quad (7 \times 8) \\ \text{Remainder --> } 4 \end{array} $	<p>(3)</p> $ \begin{array}{r} 520 \text{ R}2 \\ 8 \overline{) 4162} \\ \underline{- 40} \quad (5 \times 8) \\ 16 \\ \underline{- 16} \quad (2 \times 8) \\ 02 \\ \underline{- 0} \quad (0 \times 8) \\ \text{Remainder --> } 2 \end{array} $
<p>(4)</p> $ \begin{array}{r} 1652 \text{ R}2 \\ 3 \overline{) 4958} \\ \underline{- 3} \quad (1 \times 3) \\ 19 \\ \underline{- 18} \quad (6 \times 3) \\ 15 \\ \underline{- 15} \quad (5 \times 3) \\ 08 \\ \underline{- 6} \quad (2 \times 3) \\ \text{Remainder --> } 2 \end{array} $	<p>(5)</p> $ \begin{array}{r} 1476 \text{ R}1 \\ 4 \overline{) 5905} \\ \underline{- 4} \quad (1 \times 4) \\ 19 \\ \underline{- 16} \quad (4 \times 4) \\ 30 \\ \underline{- 28} \quad (7 \times 4) \\ 25 \\ \underline{- 24} \quad (6 \times 4) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 1562 \text{ R}2 \\ 5 \overline{) 7812} \\ \underline{- 5} \quad (1 \times 5) \\ 28 \\ \underline{- 25} \quad (5 \times 5) \\ 31 \\ \underline{- 30} \quad (6 \times 5) \\ 12 \\ \underline{- 10} \quad (2 \times 5) \\ \text{Remainder --> } 2 \end{array} $