

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

(1)

$$8 \overline{)5512}$$

(2)

$$2 \overline{)6182}$$

(3)

$$4 \overline{)7698}$$

(4)

$$4 \overline{)1298}$$

(5)

$$4 \overline{)1911}$$

(6)

$$7 \overline{)6533}$$

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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} 689 \text{ R0} \\ 8 \overline{) 5512} \\ \underline{- 48} \qquad (6 \times 8) \\ 71 \\ \underline{- 64} \qquad (8 \times 8) \\ 72 \\ \underline{- 72} \qquad (9 \times 8) \\ \text{Remainder --> } 0 \end{array} $	<p>(2)</p> $ \begin{array}{r} 3091 \text{ R0} \\ 2 \overline{) 6182} \\ \underline{- 6} \qquad (3 \times 2) \\ 01 \\ \underline{- 0} \qquad (0 \times 2) \\ 18 \\ \underline{- 18} \qquad (9 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ \text{Remainder --> } 0 \end{array} $	<p>(3)</p> $ \begin{array}{r} 1924 \text{ R2} \\ 4 \overline{) 7698} \\ \underline{- 4} \qquad (1 \times 4) \\ 36 \\ \underline{- 36} \qquad (9 \times 4) \\ 09 \\ \underline{- 8} \qquad (2 \times 4) \\ 18 \\ \underline{- 16} \qquad (4 \times 4) \\ \text{Remainder --> } 2 \end{array} $
<p>(4)</p> $ \begin{array}{r} 324 \text{ R2} \\ 4 \overline{) 1298} \\ \underline{- 12} \qquad (3 \times 4) \\ 09 \\ \underline{- 8} \qquad (2 \times 4) \\ 18 \\ \underline{- 16} \qquad (4 \times 4) \\ \text{Remainder --> } 2 \end{array} $	<p>(5)</p> $ \begin{array}{r} 477 \text{ R3} \\ 4 \overline{) 1911} \\ \underline{- 16} \qquad (4 \times 4) \\ 31 \\ \underline{- 28} \qquad (7 \times 4) \\ 31 \\ \underline{- 28} \qquad (7 \times 4) \\ \text{Remainder --> } 3 \end{array} $	<p>(6)</p> $ \begin{array}{r} 933 \text{ R2} \\ 7 \overline{) 6533} \\ \underline{- 63} \qquad (9 \times 7) \\ 23 \\ \underline{- 21} \qquad (3 \times 7) \\ 23 \\ \underline{- 21} \qquad (3 \times 7) \\ \text{Remainder --> } 2 \end{array} $