

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

(1)

$$6 \overline{)8481}$$

(2)

$$5 \overline{)9904}$$

(3)

$$6 \overline{)3506}$$

(4)

$$5 \overline{)2683}$$

(5)

$$8 \overline{)1302}$$

(6)

$$4 \overline{)9783}$$

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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}  1413 \text{ R}3 \\  6 \overline{) 8481} \\  \underline{- 6} \qquad (1 \times 6) \\  24 \\  \underline{- 24} \qquad (4 \times 6) \\  08 \\  \underline{- 6} \qquad (1 \times 6) \\  21 \\  \underline{- 18} \qquad (3 \times 6) \\  \text{Remainder --> } 3  \end{array}  $	<p>(2)</p> $  \begin{array}{r}  1980 \text{ R}4 \\  5 \overline{) 9904} \\  \underline{- 5} \qquad (1 \times 5) \\  49 \\  \underline{- 45} \qquad (9 \times 5) \\  40 \\  \underline{- 40} \qquad (8 \times 5) \\  04 \\  \underline{- 0} \qquad (0 \times 5) \\  \text{Remainder --> } 4  \end{array}  $	<p>(3)</p> $  \begin{array}{r}  584 \text{ R}2 \\  6 \overline{) 3506} \\  \underline{- 30} \qquad (5 \times 6) \\  50 \\  \underline{- 48} \qquad (8 \times 6) \\  26 \\  \underline{- 24} \qquad (4 \times 6) \\  \text{Remainder --> } 2  \end{array}  $
<p>(4)</p> $  \begin{array}{r}  536 \text{ R}3 \\  5 \overline{) 2683} \\  \underline{- 25} \qquad (5 \times 5) \\  18 \\  \underline{- 15} \qquad (3 \times 5) \\  33 \\  \underline{- 30} \qquad (6 \times 5) \\  \text{Remainder --> } 3  \end{array}  $	<p>(5)</p> $  \begin{array}{r}  162 \text{ R}6 \\  8 \overline{) 1302} \\  \underline{- 8} \qquad (1 \times 8) \\  50 \\  \underline{- 48} \qquad (6 \times 8) \\  22 \\  \underline{- 16} \qquad (2 \times 8) \\  \text{Remainder --> } 6  \end{array}  $	<p>(6)</p> $  \begin{array}{r}  2445 \text{ R}3 \\  4 \overline{) 9783} \\  \underline{- 8} \qquad (2 \times 4) \\  17 \\  \underline{- 16} \qquad (4 \times 4) \\  18 \\  \underline{- 16} \qquad (4 \times 4) \\  23 \\  \underline{- 20} \qquad (5 \times 4) \\  \text{Remainder --> } 3  \end{array}  $