

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

(1)

$$813 \overline{)477814}$$

(2)

$$787 \overline{)383086}$$

(3)

$$347 \overline{)421628}$$

(4)

$$316 \overline{)121503}$$

(5)

$$867 \overline{)485244}$$

(6)

$$907 \overline{)432275}$$

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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} \overline{) 477814} \quad \text{587 R583} \\ \underline{- 4065} \quad (5 \times 813) \\ 7131 \\ \underline{- 6504} \quad (8 \times 813) \\ 6274 \\ \underline{- 5691} \quad (7 \times 813) \\ \text{Remainder --> } 583 \end{array} $	<p>(2)</p> $ \begin{array}{r} \overline{) 383086} \quad \text{486 R604} \\ \underline{- 3148} \quad (4 \times 787) \\ 6828 \\ \underline{- 6296} \quad (8 \times 787) \\ 5326 \\ \underline{- 4722} \quad (6 \times 787) \\ \text{Remainder --> } 604 \end{array} $	<p>(3)</p> $ \begin{array}{r} \overline{) 421628} \quad \text{1215 R23} \\ \underline{- 347} \quad (1 \times 347) \\ 746 \\ \underline{- 694} \quad (2 \times 347) \\ 522 \\ \underline{- 347} \quad (1 \times 347) \\ 1758 \\ \underline{- 1735} \quad (5 \times 347) \\ \text{Remainder --> } 23 \end{array} $
<p>(4)</p> $ \begin{array}{r} \overline{) 121503} \quad \text{384 R159} \\ \underline{- 948} \quad (3 \times 316) \\ 2670 \\ \underline{- 2528} \quad (8 \times 316) \\ 1423 \\ \underline{- 1264} \quad (4 \times 316) \\ \text{Remainder --> } 159 \end{array} $	<p>(5)</p> $ \begin{array}{r} \overline{) 485244} \quad \text{559 R591} \\ \underline{- 4335} \quad (5 \times 867) \\ 5174 \\ \underline{- 4335} \quad (5 \times 867) \\ 8394 \\ \underline{- 7803} \quad (9 \times 867) \\ \text{Remainder --> } 591 \end{array} $	<p>(6)</p> $ \begin{array}{r} \overline{) 432275} \quad \text{476 R543} \\ \underline{- 3628} \quad (4 \times 907) \\ 6947 \\ \underline{- 6349} \quad (7 \times 907) \\ 5985 \\ \underline{- 5442} \quad (6 \times 907) \\ \text{Remainder --> } 543 \end{array} $