

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

(1)

$$2355 \overline{)128032518}$$

(2)

$$1453 \overline{)604219762}$$

(3)

$$9497 \overline{)121405239}$$

(4)

$$1156 \overline{)500379079}$$

(5)

$$2605 \overline{)706992681}$$

(6)

$$8795 \overline{)746700300}$$

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} 54366 \text{ R}588 \\ 2355 \overline{) 128032518} \\ \underline{- 11775} \quad (5 \times 2355) \\ 10282 \\ \underline{- 9420} \quad (4 \times 2355) \\ 8625 \\ \underline{- 7065} \quad (3 \times 2355) \\ 15601 \\ \underline{- 14130} \quad (6 \times 2355) \\ 14718 \\ \underline{- 14130} \quad (6 \times 2355) \\ \text{Remainder --> } 588 \end{array} $	<p>(2)</p> $ \begin{array}{r} 415842 \text{ R}1336 \\ 1453 \overline{) 604219762} \\ \underline{- 5812} \quad (4 \times 1453) \\ 2301 \\ \underline{- 1453} \quad (1 \times 1453) \\ 8489 \\ \underline{- 7265} \quad (5 \times 1453) \\ 12247 \\ \underline{- 11624} \quad (8 \times 1453) \\ 6236 \\ \underline{- 5812} \quad (4 \times 1453) \\ 4242 \\ \underline{- 2906} \quad (2 \times 1453) \\ \text{Remainder --> } 1336 \end{array} $	<p>(3)</p> $ \begin{array}{r} 12783 \text{ R}5088 \\ 9497 \overline{) 121405239} \\ \underline{- 9497} \quad (1 \times 9497) \\ 26435 \\ \underline{- 18994} \quad (2 \times 9497) \\ 74412 \\ \underline{- 66479} \quad (7 \times 9497) \\ 79333 \\ \underline{- 75976} \quad (8 \times 9497) \\ 33579 \\ \underline{- 28491} \quad (3 \times 9497) \\ \text{Remainder --> } 5088 \end{array} $
<p>(4)</p> $ \begin{array}{r} 432853 \text{ R}1011 \\ 1156 \overline{) 500379079} \\ \underline{- 4624} \quad (4 \times 1156) \\ 3797 \\ \underline{- 3468} \quad (3 \times 1156) \\ 3299 \\ \underline{- 2312} \quad (2 \times 1156) \\ 9870 \\ \underline{- 9248} \quad (8 \times 1156) \\ 6227 \\ \underline{- 5780} \quad (5 \times 1156) \\ 4479 \\ \underline{- 3468} \quad (3 \times 1156) \\ \text{Remainder --> } 1011 \end{array} $	<p>(5)</p> $ \begin{array}{r} 271398 \text{ R}891 \\ 2605 \overline{) 706992681} \\ \underline{- 5210} \quad (2 \times 2605) \\ 18599 \\ \underline{- 18235} \quad (7 \times 2605) \\ 3642 \\ \underline{- 2605} \quad (1 \times 2605) \\ 10376 \\ \underline{- 7815} \quad (3 \times 2605) \\ 25618 \\ \underline{- 23445} \quad (9 \times 2605) \\ 21731 \\ \underline{- 20840} \quad (8 \times 2605) \\ \text{Remainder --> } 891 \end{array} $	<p>(6)</p> $ \begin{array}{r} 84900 \text{ R}4800 \\ 8795 \overline{) 746700300} \\ \underline{- 70360} \quad (8 \times 8795) \\ 43100 \\ \underline{- 35180} \quad (4 \times 8795) \\ 79203 \\ \underline{- 79155} \quad (9 \times 8795) \\ 480 \\ \underline{- 0} \quad (0 \times 8795) \\ 4800 \\ \underline{- 0} \quad (0 \times 8795) \\ \text{Remainder --> } 4800 \end{array} $