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

(1) $64 \overline{)886050504}$	(2) $78 \overline{)451240270}$	(3) $54 \overline{)417725229}$
(4) $99 \overline{)289417101}$	(5) $50 \overline{)804512372}$	(6) $16 \overline{)359015670}$

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"

(1)

```
        13844539 R8
64 | 886050504
   - 64          ( 1 x 64 )
     246
   - 192         ( 3 x 64 )
       540
     - 512       ( 8 x 64 )
         285
       - 256     ( 4 x 64 )
           290
         - 256   ( 4 x 64 )
             345
           - 320 ( 5 x 64 )
               250
             - 192 ( 3 x 64 )
                 584
               - 576 ( 9 x 64 )
Remainder -->      8
```

(2)

```
        5785131 R52
78 | 451240270
   - 390         ( 5 x 78 )
     612
   - 546         ( 7 x 78 )
       664
     - 624       ( 8 x 78 )
         400
       - 390     ( 5 x 78 )
           102
         - 78    ( 1 x 78 )
             247
           - 234 ( 3 x 78 )
               130
             - 78 ( 1 x 78 )
Remainder -->     52
```

(3)

```
        7735652 R21
54 | 417725229
   - 378         ( 7 x 54 )
     397
   - 378         ( 7 x 54 )
       192
     - 162       ( 3 x 54 )
         305
       - 270     ( 5 x 54 )
           352
         - 324   ( 6 x 54 )
             282
           - 270 ( 5 x 54 )
               129
             - 108 ( 2 x 54 )
Remainder -->     21
```

(4)

```
        2923405 R6
99 | 289417101
   - 198         ( 2 x 99 )
     914
   - 891         ( 9 x 99 )
       231
     - 198       ( 2 x 99 )
         337
       - 297     ( 3 x 99 )
           401
         - 396   ( 4 x 99 )
             50
           - 0   ( 0 x 99 )
             501
           - 495 ( 5 x 99 )
Remainder -->      6
```

(5)

```
        16090247 R22
50 | 804512372
   - 50          ( 1 x 50 )
     304
   - 300         ( 6 x 50 )
       45
     - 0         ( 0 x 50 )
       451
     - 450       ( 9 x 50 )
         12
       - 0       ( 0 x 50 )
         123
       - 100     ( 2 x 50 )
           237
         - 200   ( 4 x 50 )
             372
           - 350 ( 7 x 50 )
Remainder -->     22
```

(6)

```
        22438479 R6
16 | 359015670
   - 32          ( 2 x 16 )
     39
   - 32          ( 2 x 16 )
       70
     - 64        ( 4 x 16 )
         61
       - 48      ( 3 x 16 )
         135
       - 128     ( 8 x 16 )
           76
         - 64    ( 4 x 16 )
           127
         - 112   ( 7 x 16 )
             150
           - 144 ( 9 x 16 )
Remainder -->      6
```