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

(1) $559 \overline{)675123}$	(2) $735 \overline{)874270}$	(3) $470 \overline{)511303}$
(4) $243 \overline{)935375}$	(5) $382 \overline{)305016}$	(6) $650 \overline{)458890}$

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)

```
      1207 R410
559 | 675123
    - 559        ( 1 x 559 )
      1161
    - 1118       ( 2 x 559 )
       432
     - 0         ( 0 x 559 )
      4323
    - 3913       ( 7 x 559 )
       410
```

Remainder --> 410

(2)

```
      1189 R355
735 | 874270
    - 735        ( 1 x 735 )
      1392
    - 735        ( 1 x 735 )
      6577
    - 5880       ( 8 x 735 )
       6970
     - 6615      ( 9 x 735 )
       355
```

Remainder --> 355

(3)

```
      1087 R413
470 | 511303
    - 470        ( 1 x 470 )
       413
     - 0         ( 0 x 470 )
      4130
    - 3760       ( 8 x 470 )
       3703
     - 3290      ( 7 x 470 )
       413
```

Remainder --> 413

(4)

```
      3849 R68
243 | 935375
    - 729        ( 3 x 243 )
      2063
    - 1944       ( 8 x 243 )
       1197
     - 972       ( 4 x 243 )
       2255
     - 2187      ( 9 x 243 )
       68
```

Remainder --> 68

(5)

```
       798 R180
382 | 305016
    - 2674       ( 7 x 382 )
       3761
     - 3438      ( 9 x 382 )
       3236
     - 3056      ( 8 x 382 )
       180
```

Remainder --> 180

(6)

```
      705 R640
650 | 458890
    - 4550       ( 7 x 650 )
       389
     - 0         ( 0 x 650 )
      3890
    - 3250       ( 5 x 650 )
       640
```

Remainder --> 640