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

| | | |
|---|---|---|
| (1) $763 \overline{)525639}$ | (2) $432 \overline{)385381}$ | (3) $402 \overline{)742654}$ |
| (4) $488 \overline{)226978}$ | (5) $175 \overline{)218846}$ | (6) $685 \overline{)430377}$ |

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)

```
          688 R695
763 | 525639
    - 4578        ( 6 x 763 )
      6783
    - 6104        ( 8 x 763 )
      6799
    - 6104        ( 8 x 763 )
Remainder -->  695
```

(2)

```
          892 R37
432 | 385381
    - 3456        ( 8 x 432 )
      3978
    - 3888        ( 9 x 432 )
       901
    -  864        ( 2 x 432 )
Remainder -->   37
```

(3)

```
          1847 R160
402 | 742654
    -  402        ( 1 x 402 )
      3406
    - 3216        ( 8 x 402 )
      1905
    - 1608        ( 4 x 402 )
      2974
    - 2814        ( 7 x 402 )
Remainder -->  160
```

(4)

```
          465 R58
488 | 226978
    - 1952        ( 4 x 488 )
      3177
    - 2928        ( 6 x 488 )
      2498
    - 2440        ( 5 x 488 )
Remainder -->   58
```

(5)

```
          1250 R96
175 | 218846
    -  175        ( 1 x 175 )
       438
    -  350        ( 2 x 175 )
       884
    -  875        ( 5 x 175 )
        96
    -   0         ( 0 x 175 )
Remainder -->   96
```

(6)

```
          628 R197
685 | 430377
    - 4110        ( 6 x 685 )
      1937
    - 1370        ( 2 x 685 )
      5677
    - 5480        ( 8 x 685 )
Remainder --> 197
```