Name_____ Date_____

(1)	(2)	(3)
1698) 893361940	6872) 901289236	6405) 785549916

Name________________________________ Date_________

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

(1)

```
          526125 R1690
1698 | 893361940
     - 8490          ( 5 x 1698 )
        4436
      - 3396         ( 2 x 1698 )
        10401
      - 10188        ( 6 x 1698 )
          2139
        - 1698       ( 1 x 1698 )
           4414
         - 3396      ( 2 x 1698 )
           10180
          - 8490     ( 5 x 1698 )
Remainder -->  1690
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 1698 into 8933 (= 5)
Multiply 5 times 1698 (= 8490)
Subtract 8490 from 8933 (= 443)
Bring down the 6

Divide 1698 into 4436 (= 2)
Multiply 2 times 1698 (= 3396)
Subtract 3396 from 4436 (= 1040)
Bring down the 1

Divide 1698 into 10401 (= 6)
Multiply 6 times 1698 (= 10188)
Subtract 10188 from 10401 (= 213)
Bring down the 9

Divide 1698 into 2139 (= 1)
Multiply 1 times 1698 (= 1698)
Subtract 1698 from 2139 (= 441)
Bring down the 4

Divide 1698 into 4414 (= 2)
Multiply 2 times 1698 (= 3396)
Subtract 3396 from 4414 (= 1018)
Bring down the 0

Divide 1698 into 10180 (= 5)
Multiply 5 times 1698 (= 8490)
Subtract 8490 from 10180 (= 1690)
Done. No more numbers to bring down.

(2)

```
          131153 R5820
6872 | 901289236
     - 6872          ( 1 x 6872 )
       21408
     - 20616         ( 3 x 6872 )
          7929
        - 6872       ( 1 x 6872 )
          10572
         - 6872      ( 1 x 6872 )
           37003
         - 34360     ( 5 x 6872 )
            26436
          - 20616    ( 3 x 6872 )
Remainder -->  5820
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6872 into 9012 (= 1)
Multiply 1 times 6872 (= 6872)
Subtract 6872 from 9012 (= 2140)
Bring down the 8

Divide 6872 into 21408 (= 3)
Multiply 3 times 6872 (= 20616)
Subtract 20616 from 21408 (= 792)
Bring down the 9

Divide 6872 into 7929 (= 1)
Multiply 1 times 6872 (= 6872)
Subtract 6872 from 7929 (= 1057)
Bring down the 2

Divide 6872 into 10572 (= 1)
Multiply 1 times 6872 (= 6872)
Subtract 6872 from 10572 (= 3700)
Bring down the 3

Divide 6872 into 37003 (= 5)
Multiply 5 times 6872 (= 34360)
Subtract 34360 from 37003 (= 2643)
Bring down the 6

Divide 6872 into 26436 (= 3)
Multiply 3 times 6872 (= 20616)
Subtract 20616 from 26436 (= 5820)
Done. No more numbers to bring down.

(3)

```
          122646 R2286
6405 | 785549916
     - 6405          ( 1 x 6405 )
       14504
     - 12810         ( 2 x 6405 )
         16949
       - 12810       ( 2 x 6405 )
           41399
         - 38430     ( 6 x 6405 )
            29691
          - 25620    ( 4 x 6405 )
             40716
           - 38430   ( 6 x 6405 )
Remainder -->  2286
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 6405 into 7855 (= 1)
Multiply 1 times 6405 (= 6405)
Subtract 6405 from 7855 (= 1450)
Bring down the 4

Divide 6405 into 14504 (= 2)
Multiply 2 times 6405 (= 12810)
Subtract 12810 from 14504 (= 1694)
Bring down the 9

Divide 6405 into 16949 (= 2)
Multiply 2 times 6405 (= 12810)
Subtract 12810 from 16949 (= 4139)
Bring down the 9

Divide 6405 into 41399 (= 6)
Multiply 6 times 6405 (= 38430)
Subtract 38430 from 41399 (= 2969)
Bring down the 1

Divide 6405 into 29691 (= 4)
Multiply 4 times 6405 (= 25620)
Subtract 25620 from 29691 (= 4071)
Bring down the 6

Divide 6405 into 40716 (= 6)
Multiply 6 times 6405 (= 38430)
Subtract 38430 from 40716 (= 2286)
Done. No more numbers to bring down.