Name_____ Date_____

(1)	(2)	(3)
5817) 686907732	7177) 320224386	8628) 382318507

Name_____ Date_____

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

(1)

```
                118086 R1470
5817 | 686907732
     - 5817          ( 1 x 5817 )
       10520
     - 5817          ( 1 x 5817 )
       47037
     - 46536         ( 8 x 5817 )
        5017
      - 0            ( 0 x 5817 )
       50173
     - 46536         ( 8 x 5817 )
        36372
     - 34902         ( 6 x 5817 )
Remainder -->  1470
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 5817 into 6869 (= 1)
Multiply 1 times 5817 (= 5817)
Subtract 5817 from 6869 (= 1052)
Bring down the 0

Divide 5817 into 10520 (= 1)
Multiply 1 times 5817 (= 5817)
Subtract 5817 from 10520 (= 4703)
Bring down the 7

Divide 5817 into 47037 (= 8)
Multiply 8 times 5817 (= 46536)
Subtract 46536 from 47037 (= 501)
Bring down the 7

Divide 5817 into 5017 (= 0)
Multiply 0 times 5817 (= 0)
Subtract 0 from 5017 (= 5017)
Bring down the 3

Divide 5817 into 50173 (= 8)
Multiply 8 times 5817 (= 46536)
Subtract 46536 from 50173 (= 3637)
Bring down the 2

Divide 5817 into 36372 (= 6)
Multiply 6 times 5817 (= 34902)
Subtract 34902 from 36372 (= 1470)
Done. No more numbers to bring down.

(2)

```
                44618 R1000
7177 | 320224386
     - 28708         ( 4 x 7177 )
       33144
     - 28708         ( 4 x 7177 )
       44363
     - 43062         ( 6 x 7177 )
       13018
     - 7177          ( 1 x 7177 )
       58416
     - 57416         ( 8 x 7177 )
Remainder -->  1000
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 7177 into 32022 (= 4)
Multiply 4 times 7177 (= 28708)
Subtract 28708 from 32022 (= 3314)
Bring down the 4

Divide 7177 into 33144 (= 4)
Multiply 4 times 7177 (= 28708)
Subtract 28708 from 33144 (= 4436)
Bring down the 3

Divide 7177 into 44363 (= 6)
Multiply 6 times 7177 (= 43062)
Subtract 43062 from 44363 (= 1301)
Bring down the 8

Divide 7177 into 13018 (= 1)
Multiply 1 times 7177 (= 7177)
Subtract 7177 from 13018 (= 5841)
Bring down the 6

Divide 7177 into 58416 (= 8)
Multiply 8 times 7177 (= 57416)
Subtract 57416 from 58416 (= 1000)
Done. No more numbers to bring down.

(3)

```
                44311 R3199
8628 | 382318507
     - 34512         ( 4 x 8628 )
       37198
     - 34512         ( 4 x 8628 )
       26865
     - 25884         ( 3 x 8628 )
        9810
      - 8628         ( 1 x 8628 )
       11827
      - 8628         ( 1 x 8628 )
Remainder -->  3199
```

Divide, Multiply, Subtract, Bring down, Repeat

Divide 8628 into 38231 (= 4)
Multiply 4 times 8628 (= 34512)
Subtract 34512 from 38231 (= 3719)
Bring down the 8

Divide 8628 into 37198 (= 4)
Multiply 4 times 8628 (= 34512)
Subtract 34512 from 37198 (= 2686)
Bring down the 5

Divide 8628 into 26865 (= 3)
Multiply 3 times 8628 (= 25884)
Subtract 25884 from 26865 (= 981)
Bring down the 0

Divide 8628 into 9810 (= 1)
Multiply 1 times 8628 (= 8628)
Subtract 8628 from 9810 (= 1182)
Bring down the 7

Divide 8628 into 11827 (= 1)
Multiply 1 times 8628 (= 8628)
Subtract 8628 from 11827 (= 3199)
Done. No more numbers to bring down.