

## Number Theory

### Section A

Put T for true or F for false in response to each of the following statements.

- a. 0 is a Counting Number \_\_\_\_\_
- b. 267 is an Even Number \_\_\_\_\_
- c. 306 is an Even Number \_\_\_\_\_
- d. 25 is a Square Number \_\_\_\_\_
- e. 11 is a Prime Number \_\_\_\_\_
- f. 28 is a Multiple of 5 \_\_\_\_\_
- g. 2 is a Factor of 10 \_\_\_\_\_
- h. 3921 is equal to  $300 + 9000 + 20 + 1$  \_\_\_\_\_
- i. The number 47813 have the 7 in the thousands place \_\_\_\_\_
  
- j.  $2 \times 2 \times 2 \times 2$  is equal to 8 \_\_\_\_\_

### Section B

a. 3 7 4 6

+ 5 1 8 3

\_\_\_\_\_

b. 9 0 5 4

+ 4 3 1 6

\_\_\_\_\_

c. 4 6 0 8

- 2 4 6 3

\_\_\_\_\_

d. 7 8 0 0

- 3 2 4 7

\_\_\_\_\_

e. 2 5 0 9

  × 4

\_\_\_\_\_

f. 6 0 0 4

  × 5 3

g.

$$5 \overline{)7 \ 1 \ 3 \ 0}$$

Diagram showing the division of 7130 by 5. The divisor 5 is written above the first digit of the dividend. Three vertical arrows point from the first three digits of the dividend (7, 1, 3) down to the first three digits of the quotient (1, 3, 0). The fourth digit of the dividend (0) is also indicated by an arrow pointing down to the fourth digit of the quotient.

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