

# EXERCISES ON FRACTIONS FOR A.J.

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## EXERCISE I

1. Please explain what it means for
  - A. a number to be a *multiple* of another number.
  - B. a number to be a *factor* of another number
  
2. Please list or state
  - A. The first six multiples of seven
  - B. All of the factors of eight
  - C. The second largest factor of nine
  - D. The fifth to ninth multiples of three
  - E. The second smallest multiple of five
  - F. The third smallest factor of twelve
  - G. The largest factor of three hundred

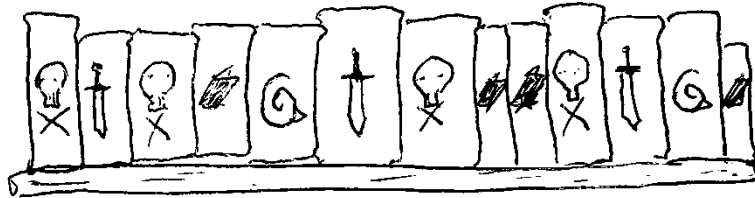
3. **Test**





Find the lowest common multiple if the denominators of two fractions are:

- A. 4 & 8
- B. 5 & 9
- C. 3, 6 & 8
- D. 2, 5 & 7
- E. 2, 7 & 8
- F. 3, 4 & 6
- G. 4, 5 & 6

## EXERCISE 2

A bookshelf holds thirteen Japanese comic books.



- Some are about pirates , some are about heroes   
some are about ninjas , and some are about  
notebooks 

Please give your answers to the following in simplest form.

- A. What fraction of the total number of books on the bookshelf are about
- Pirates?
  - Anything but ninjas?
  - Heroes or notebooks?
  - Ninjas or pirates?
  - Anything but notebooks?

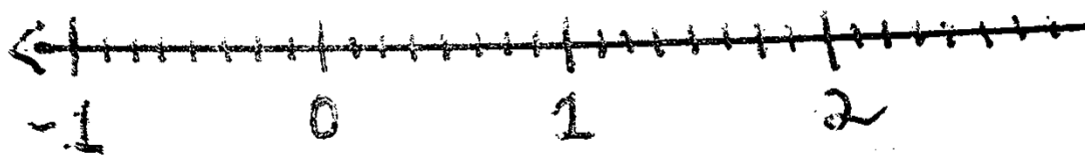
- B. If A.J. removed  $\frac{8}{26}$  of the books from the bookshelf, how many would be left?

- i. **Challenge**

If Miguel sold  $\frac{5}{10}$  of the books that A.J. removed from the bookshelf, what fraction of the original number of books on the bookshelf did Miguel sell?

## EXERCISE 3

Please place the following fractions at the correct position on the below number line.



- A.  $\frac{1}{2}$     B.  $-\frac{1}{2}$     C.  $2\frac{1}{8}$     D.  $\frac{3}{4}$     E.  $-\frac{13}{16}$     F.  $\frac{28}{24}$

### Hints

- What fraction is one gap on the number line equal to?
- Changing the denominators of fractions above and the fraction of one gap on the line so that they have the same denominator will make this question easier!