Using the Number Line

A. Use your number line to solve the following problems; be prepared to show how you solved them.

1. 2 + 3

2. 2 – 3

3. –2 + 3

4. –2 –3

5. 2 (3)

6. 2 (-3)

7. –2 (3)

8. –2 (-3)

9. 6 /3

10. –6/3

11. 1 + ½

12. 1 – ½

13. –1+ ½

14. 3 + ¼

15. 3 – ¼

16. –3 + ¼

B. Comparing Fractions:

Mark these fractions on your number line, then write them in order from smallest to largest.

1/8 ½ 0/4 ¼ 8/2 ¾ 7/8 9/2

C. Comparing Decimals:

Mark these decimals on your number line, then write them in order from smallest to largest.

-.6   .4   -.5   .18   1.2   2.4   .25

D. Pythagorean Theorem

Fold and mark a paper with your ruler to find the square root of 2.

$$C^2 = A^2 + B^2$$

$$C = \sqrt{A^2 + B^2}$$

D. Visit the following web sites to practice placing numbers on the number line:

Number line signed number and decimals:
http://www.ambleside.schoolzone.co.uk/ambleweb/mentalmaths/numberlines.html

Placing Fractions on the number line:
http://www.visualfractions.com/EnterFraction.html