Labsheet 3.1   Placing Fractions on a Number Line

A 1. On a number line like the one below, mark and label these fractions.

$$\frac{1}{4} \quad \frac{2}{4} \quad \frac{3}{4} \quad \frac{4}{4} \quad \frac{5}{4} \quad \frac{6}{4} \quad \frac{7}{4} \quad \frac{8}{4} \quad \frac{9}{4} \quad \frac{0}{4} \quad -\frac{1}{4} \quad -\frac{2}{4} \quad -\frac{3}{4} \quad -\frac{4}{4} \quad -\frac{5}{4}$$

2. Which of the fractions can be written as mixed numbers?

B 1. On a new number line, mark and label these numbers.

$$\frac{1}{3} \quad 1\frac{1}{3} \quad 2\frac{2}{3} \quad 3 \quad 3\frac{1}{3} \quad -\frac{1}{3} \quad -1\frac{1}{3} \quad -1\frac{2}{3}$$

2. Which of these numbers can be written as improper fractions? Explain.

C.
1. What is the opposite of ½?
2. What is the opposite of the opposite of ½?

3. What is the opposite of 0?

D.
1. What numbers have an absolute value of 1?
2. How many numbers have an absolute value of 5/4? What are they?

3. How many numbers have an absolute value of 0?

Practice:

1) $\lvert 4 \rvert$ $=$ ☐	2) $\lvert -13 \rvert$ $=$ ☐	3) $-\lvert 10 \rvert$ $=$ ☐
4) $-\lvert -7 \rvert$ $=$ ☐	5) $\lvert 11 \rvert$ $=$ ☐	6) $\lvert -2 \rvert$ $=$ ☐
7) $-\lvert 12 \rvert$ $=$ ☐	8) $-\lvert 5 \rvert$ $=$ $-$	9) $\lvert 1 \rvert$ $=$ ☐

Give an example of Absolute Value in your life