1. Choose the correct answer:

a. The greatest non-positive integer is.

A. 1   **B.** –1   **C.** 0   **D.** 1.1

b. The number…….… is divisible by 6

A. 633   **B.** 236   **C.** 324   **D.** 662

c. Which of the following are relatively prime numbers?

A. 2 and 10   **B.** 9 and 25

C. 4 and 6   **D.** 15 and 6

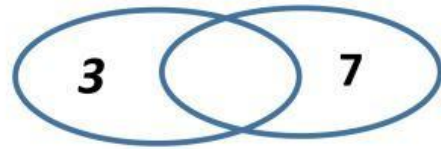**d.** The rational number – 2.5 in the form of $\frac{a}{b}$ is.

A. $\frac{25}{10}$ **B.** $-5\frac{2}{10}$ **C.** $\frac{-25}{10}$ **D.** $-2\frac{1}{5}$

e. $\left| -3\ \frac{1}{4} \right|$ …………. $-4\frac{1}{3}$

A. <   **B.** >   **C.** =

2. Complete the following:

a. In the opposite Venn diagram the L.C.M is...........

$$3 \quad\quad 7$$

b. The distance between – 4 and its opposite on the number line equals........... units.

c. $\dfrac{1}{3} + \dfrac{2}{5} =$ ....

d. $2\dfrac{1}{5} - 1\dfrac{1}{6} =$ ....

e. In the algebraic expression: 3x+5y +2, the constant is ....

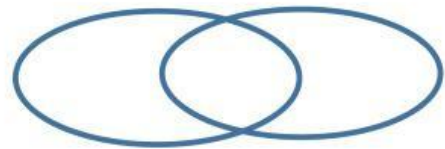**3. a.** Arrange the following numbers from the least to the greatest.

$$\dfrac{-1}{2} \, , \, 2\dfrac{1}{2} \, , \, \dfrac{3}{4} \, , \, 0 \, , \, \dfrac{-7}{12}$$

b. Ahmed studies x hours daily, write an algebraic expression for the number of studied hours in a week.

c. Find the G.C.F and L.C.M of the two numbers 35 and 42 by using Venn diagram.

G.C.F=

L.C.M=

d. Find three rational numbers lies between: $\frac{3}{4}$ and $\frac{4}{5}$