1. Choose the correct answer:

1. A school has 2,880 students which distributed between 48 classes equally. How many students are in each class ?

   A. 60 B. 50 C. 40 D. 70

2. All the following numbers are rational except _____

   A. 1 B. $\frac{2}{7}$ C. $\frac{4-4}{7}$ D. $\frac{8}{5-5}$

3. The number of integers between -5 and 2 is _____

   A. 6 B. 5 C. -3 D. 7

4. In the equation : $y = 2x + 1$, the ordered pair $(2, a)$ satisfies the equation , then $a =$ _____

   A. 5 B. $\frac{1}{2}$ C. 23 D. 6

5. The set of counting numbers _____ the set of rational numbers.

   A. belongs B. does not belong C. is a subset of D. is not a subset of

6. All the following expressions are equivalent except _____

   A. $4x + 8$ B. $2[2x + 4]$ C. $4[x + 4]$ D. $4[x + 2]$

7. $|-1.34| <$ _____

   A. 1.4 B. -1.29 C. -1.4 D. 1.19

2. Complete the following.

1. The smallest number of $(0.1, \frac{1}{100}, 0.7, 2.1)$ is _____
2. The age of Bassem now is x years old, then his age after 3 years is _____
3. The median of the values $k+1, k+2, k+3, k+4$ and $k+5$ is 13, then $k =$ _____
4. $3\frac{1}{9} + 1\frac{8}{9} =$ _____
5. "4 increased by l equals q" in equation is _____
6. The median for the set of values : 15, 15, 17, 18, 19, 21, 22, 22, 23 is _____
7. If $k+1=5$, then $k-2=$ _____
8. The L.C.M of 5 and 8 is _____

3. Choose the correct answer.

1. If $x+x=12$, then $x=$ _____

   A. 1 B. 2 C. 6 D. 24

2. $5+12=$ _____ $(5+12)$

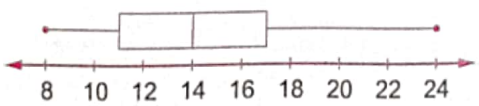
   A. 1 B. 5 C. 12 D. 60

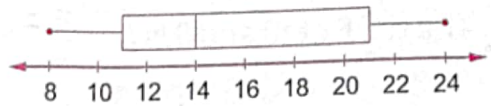
3. The opposite of 5 is _____

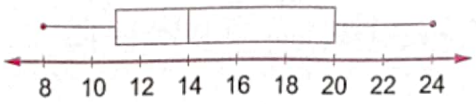
   A. 5 B. 0 C. -5 D. 10

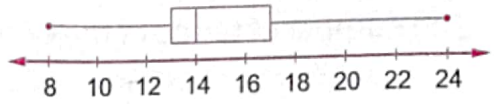
4. Which box plot represents the data set :

   8, 8, 9, 11, 12, 13, 13, 14, 15, 15, 16, 17, 18, 18, 24

   A.
   

   B.
   

   C.
   

   D.
   

5. The mean of the following values  is _____

   A. 2 B. 3 C. 4 D. 5

6. $8-4\div2\times3=$ _____

   A. $5\frac{1}{3}$ B. 3 C. 2 D. $\frac{4}{6}$

7. In the expression : $2a+5+a+1$, which of the following is NOT true ?

   A. 2 and 5 are constant.
   B. 5 and 1 are constant.
   C. 2 and 1 are coefficient.
   D. 2 a and a are like terms.

4. **Answer the following questions :**

1. In the pond , $\frac{1}{3}$ of the lilies are white and $\frac{1}{4}$ of the lilies are pink. The remaining lilies are blue. **What is the fraction of the blue lilies ?**

2. Eslam needs 300 L.E. to buy pants. He does not have enough money.
Find three possible amounts of money Eslam has.

3. **The following table shows the marks of a group of students in an exam.**

Marks	1	2	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Number of students	2	1	3	1	1	3	1	2	1	1	4	2	5	2	2	3	2	4

a. Use a suitable intervals to draw a frequency table.

b. Represent the frequency table using histogram.

4. Find the G.C.F of the following numbers using Venn diagram
7 and 12