1. Choose the correct answer:

1. The G.C.F of two relatively prime numbers is _____

   A. 0 B. 1 C. 2 D. 3

2. The absolute value of the opposite of $-1\frac{1}{2}$ is _____

   A. $2\frac{1}{2}$ B. 0 C. $1\frac{1}{2}$ D. $-1\frac{1}{2}$

3. Mohamed has 60 L.E. , his friend Ali has less money than Mohamed , then Ali may has _____

   A. 53 B. 61 C. 100 D. 60

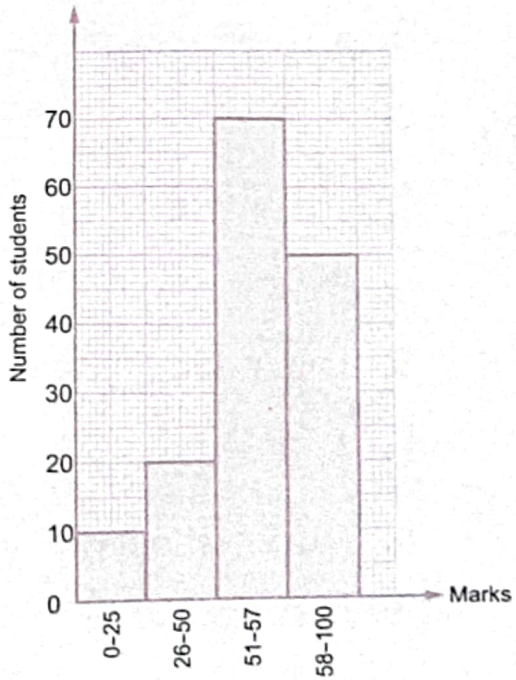
4. **In the opposite histogram :**
   How many students get more then 50 marks ?

   A. 20

   B. 50

   C. 70

   D. 120



5. The number 2.71 belongs to _____ numbers.

   A. counting B. natural

   C. integer D. rational

6. The median for the set of values : 109 , 90 , 114 , 120 , 97 , 104 , 93 , 98 , 127 , 94 is

A. 98 B. 101 C. 104 D. 107

7. Which of the following are like terms ?

A. 23 and 32 B. b a and b c C. a b^2 and a c^2 D. l and m

2. Complete the following.

1. The values of the expression : $x + 5$ for $x = 4$ is _____
2. If $m - 2 = 7$, then $m + 1 =$ _____
3. The word phrase for the equation "m = 4 l" is _____
4. The box plot shows the data for the average weights of some students , then the upper quartile = _____

5. The verbal form of "2 x + 1" is _____
6. 8 (5 + 4) = 40 + _____
7. In the equation : $y = \frac{1}{2}x + 3$, if $x = 6$, then y would be _____
8. The types of statistical questions are _____ and _____

3. Choose the correct answer.

1. $1\frac{3}{5} + 2\frac{1}{5} =$ _____

A. $3\frac{4}{5}$ B. $3\frac{4}{10}$ C. $3\frac{3}{5}$ D. $3\frac{1}{5}$

2. The range of the values : 5 , 9 , 10 , 7 and 4 is _____

A. 5 B. 6 C. 7 D. 10

3. $5^4 =$ _____

A. 4^5 B. 4×5 C. $5 \times 5 \times 5 \times 5$ D. $4 \times 4 \times 4 \times 4 \times 4$

4. The greatest number from the following is _____

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

5. The mean of the values : 3 , 5 , 4 , 7 and 6 is _____

A. 3 B. 4 C. 5 D. 6

6. The smallest non-negative integer is _____

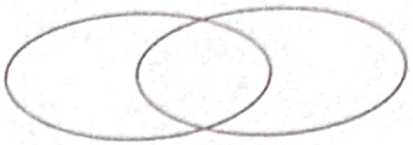
A. – 1 B. – 2 C. 0 D. 1

7. 19,160 ÷ 56 = 342 R _____

A. 7 B. 8 C. 9 D. 10

4. Answer the following questions :

1. Find the G.C.F and L.C.M of 10 and 30 using Venn diagram.



2. Examine these two expressions and determine whether they are equal. If so, consider whether they are always equal. Complete each task.

$$4(x+1) \qquad 3x+x$$

a. Try to find a value for x that will make the expressions not equal.

b. Decide if these two expressions are always equal and if they should be considered equivalent expressions.

3. **The following table shows the daily wages of 50 workers of a company.**

Sets	120 – 129	130 – 139	140 – 149	150 – 159	160 – 169
Frequency	8	10	16	12	4

Draw the histogram for this distribution.

4. Wafaa's flower garden consists of $\frac{3}{7}$ cornflowers and $\frac{2}{5}$ poppies. The rest of the garden is filled with roses. **What is the fraction of the roses in Wafaa's garden ?**