

# CLASS TEST

09/09/24

1. What is the multiplicative inverse of  $-3\frac{1}{8}$ ? (1)
2. Say True or False: There are infinite no. of rational nos. between any two rational nos. (1)
3. The mode of the given data is:  
2.75, 3.13, 9.01, 4.20, 9.10, 5.13, 3.12, 1.2, 2.57, 1.31, 5.31. (1)
4. Find the mean of the following data:  
9,  $x-1$ ,  $2x-7$ , 18, 9, 23, 20, 1, -18 (2)
5. Simplify:  $3\frac{1}{7} - 2\frac{2}{7} + 9\frac{1}{3} - 4\frac{2}{3}$  (2)
6. Find 9 rational nos. between  $-\frac{2}{3}$  and  $-\frac{1}{9}$  (3)
7. Plot  $-9\frac{5}{8}$  on the no. line. (2)
8. Write four equivalent rational nos. of  $-\frac{5}{18}$  (2)
9. Which is greater?  
 $-\frac{7}{18}$  and  $\frac{23}{-54}$  (1)

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10. The following data is recorded for the future plans of both boys & girls in the school's graduating class. [5]

| <b>Future Plans</b> | <b>Boys</b> | <b>Girls</b> |
|---------------------|-------------|--------------|
| University          | 35          | 40           |
| College             | 27          | 22           |
| Military            | 23          | 9            |
| Employment          | 10          | 5            |
| Other/unsure        | 5           | 10           |

Draw a double bar graph to represent the data.