



**D.A.V. PUBLIC SCHOOL, NEW PANVEL**  
**2025-2026**  
**SUMMER HOLIDAY ASSIGNMENT**  
**WORKSHEET**

**SUBJECT: Mathematics**

**STD: VII**

**Chapters: Rational numbers & Data Handling**

1. Express  $\frac{33}{55}$  in the standard form.
2. Express  $-\frac{19}{5}$  as rational numbers with denominator -30.
3. Define Measures of Central Tendency.
4. Find the absolute value of  $-\frac{4}{5}$
5. Represent  $\frac{3}{7}, \frac{5}{7}, \frac{-8}{7}, \frac{-2}{7}$  on number line.
6. Find the value of 'x'  $\frac{x}{12} = \frac{5}{6}$
7. Write the following rational numbers in ascending and descending order.  
 $\frac{-6}{5}, \frac{1}{5}, \frac{0}{5}, \frac{-3}{-5}$
8. Give two rational numbers equivalent to:  
i)  $\frac{-8}{9}$     ii)  $\frac{2}{11}$     iii)  $\frac{5}{-6}$
9. Which of the two rational numbers is greater in each of the following pairs?  
i) 0 or  $\frac{5}{6}$     ii)  $\frac{-3}{5}$  or 0    iii)  $\frac{4}{-5}$  or  $\frac{-7}{8}$
10. Calculate the mean for the following data.

Height (in cm)	140	142	143	145	148	150
No. of boys	2	6	10	15	4	3
11. Find the median of:  
i) First thirteen whole numbers    ii) First twenty natural numbers

12. Find the mode of the given observations.

Time taken to run a cross country race (in minutes):

44, 40, 39, 38, 41, 46, 32, 35, 38, 32, 44, 48, 43, 45, 40, 43, 40, 40, 45

13. Find the range of the following data: 12, 38, 43, 45, 24, 47, 44, 42, 36

14. Draw bar graph for the following data

Month	March	April	May	June	July
Temp. ( $^{\circ}$ C)	32	36	41	45	43

15. Following marks were obtained by 12 students in a Mathematics test (Marks out of 50) 46, 33, 21, 17, 49, 10, 31, 37, 18, 35, 41, 8

- What is the range of marks?
- Find the mean.
- If the marks of the student who scored only 8 marks are increased to 10, find the new mean.

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