

1. If the heights, in centimeters, of a group of students are 180, 180, 173, 170 and 167, what is the mean height of these students?
2. What is the median age of a class in which 14 students are 14 years old and 16 students are 15 years old?

3. For the set of data 5,5,6,7,7, which statement is true?  
 (a) Mean = Mode (b) Median = Mode  
 (c) Mean = Median
4. For which set of data will the mean, median and mode all are equal?  
 (a) 1,2,5,5,7 (b) 1,2,5,5,8,9 (c) 1,1,1,2,5 (d) 1,1,2.
5. On a test consisting of 20 questions 15 student received are following scores:  
 17, 14, 16, 18, 17, 19, 15, 15, 16, 13, 17, 12, 18, 16, 17  
 (i) Find the median score (ii) Find the mean  
 (iii) Find the mode.
6. The median of the observations 11, 12, 14, 18,  $x + 2$ ,  $x + 4$ , 30, 32, 35, 41 arranged in ascending order is 24, find the value of  $x$ .
7. The median of the observations 29, 32, 48, 50,  $x$ ,  $x + 2$ , 72, 78, 84, 95 arranged in ascending order is 63. Find the value of  $x$ .
8. The marks of 18 students in a test score were as follows :  
 5, 6, 8, 9, 10, 11, 12, 13, 13, 14, 14, 15, 15, 15, 16, 18, 19, 10.  
 Calculate  
 (i) Mean (ii) Median (iii) Mode
9. If 3, 8, 10,  $x$ , 14, 16, 18, 20 are in ascending order and their median is 13. Calculate the numerical value of  $x$ .
10. A boy scored the following marks in various class tests during the terms, each test being marked 15, 17, 16, 7, 10, 12, 14, 16, 19, 12, 16 out of 20.  
 (i) What are his model marks?  
 (ii) What are his median marks?  
 (iii) What are his mean marks?



## Answers

1. 174      2. 15 years.      3. Mean = Median = 6.  
 4. 1, 2, 5, 5, 8, 9      5. (i) 16      (ii) 16      (iii) 17  
 6. 21      7. 62  
 8. (i) 12.3      (ii) 13      (iii) 15  
 9.  $x = 12$       10. 16, 15, 14