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Class-VII　　　　**Subject: Maths**　　　　**Time: 1½ Hour**　　　　**MM: 40**

_____

Q.1 Fill in the blanks.　　　　　　　　　　　　　　　　　　　**(1 x 8 = 8)**

(a) _____ is an additive identity for whole numbers.
　　(i) one　　　　　(ii) ten　　　　　(ii) zero　　　　　(iv) None of these

(b) The mode of given set of numbers is .
　　　(1,1,2,4,3,2,1,2,2)
　　(i)　　　　　(ii) -8　　　　　(iii)　5　　　　　(iv)　8

(c) 1.07 X 0.02 = ____
　　(i) 0.214　　　(ii)　214　　　(iii)　2.14　　　(iv)　0.0214

(d) The observation that occurs most often is called _____ .
　　(i) mean　(ii) mode　(ii) median　(iv) None of these

(e) A fraction with numerator greater than denominator is called _____.
　　(i) proper fraction　(ii) improper fraction　(iii) like fraction　(iv)unlike fraction

(f)　$\frac{2}{3} + \frac{3}{5}$ = _____.
　　(i)　$\frac{12}{15}$　　　　(ii)　$\frac{19}{15}$　　　(iii)　$\frac{2}{10}$　　　(iv)　$\frac{2}{9}$

(g) When two negative integers are added,we get a _____ integer.
　　(i) positive　　　　(ii) negative　　　　(iii) zero　　　(iv) one

(h) $\frac{6}{7}$ of 56 = _____.
　　(i) 12　　　　(ii) 15　　　　(iii) 48　　　　(iv) 36

Q.2 Do as directed.　　　　　　　　　　　　　　　　　　　**(2 x 8 = 16)**

(a) There are 6 marbles in a box with numbers 1 to 6 marked on each of them.
　　(i) What is the probability of drawing a marble with number 5?
　　(ii) What is the probability of drawing a marble with number 4?

(b) Find the mean of the first 5 whole numbers.

(c) Find the median of the data: 24,36,46,17,18,25,35

(d) The runs scored in a cricket match by the 11 players of a team are as follows:
　　6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15
　　Find the mode and median of the data.

(e) Find the value of 76.5 ÷ 0.15

(f) Complete the pattern:-
　　-11,-8,-5,-2,____ ,_____,_____

(g) Use the sign of >, < or = in the blank to make the statement true.
　　-231 + 51+79 ▭ -399 + 159 + 81

(h) Find the value of:-
　　(-1) x (-5) x (-4) x (-6)

Q3. Solve　　　　　　　　　　　　　　　　　　　**(4 x 4 = 16)**

(a) A cement company earns a profit of Rs 8 per bag of white cement sold and a loss of Rs 5 per bag of grey cement sold. What is the number of white cement bags it must sell to have neither profit nor loss, if the number of grey bags sold is 6,400 bags?

(b) A plane is flying at the height of 5000m above the sea level.At a particular point,it is exactly above a submarine floating 1200m below the sea level.What is the vertical distance between them?

(c) Consider the data collected from a survey of a colony.

Favourite Sport	Cricket	Basket Ball	Swimming	Hockey	Athletics
Watching	1240	470	510	430	250
Participating	620	320	320	250	105

Draw a double bar graph choosing the appropriate scale. Which sport is most popular?

(d) Manish finished colouring a picture in $\frac{7}{12}$ hours.Vaibhav finished colouring the same picture in $\frac{3}{4}$ hours.Who worked longer? By what fraction was it longer?