

Name : Chapter Based Worksheet Chapter : Statistics Grade : ICSE Grade VII License : Non Commercial Use

 The following pie chart shows 1060 students of a school participating in various games. Find the game that has 260 student participation.



- (i) football (ii) swimming (iii) cricket (iv) high jump (v) tennis
- 2. Read the column-graph given below. Find the year that has 87 million tonnes food grains production.



3. A survey of 360 school students was done to know the preferred free time activity. Find the number of students who prefer "Community work".



The marks obtained by 11 students in a test are given below. Find the mean of their marks when the marks of 4. each student is doubled.

- 24 13 12 37 46 48 32 17 48 45 5
- (i) $\frac{654}{11}$ (ii) $\frac{536}{9}$ (iii) $\frac{652}{11}$ (iv) $\frac{772}{13}$ (v) $\frac{656}{11}$
- 5. There are 830 creatures in a zoo. Find the type of creature that has maximum presense in the zoo.



(i) Beast animals (ii) Land animals (iii) Domestic animals (iv) Wild animals (v) Birds

6. Shown below is the total food grain production of 360 million tonnes over 5 years. Find the year that has maximum food grain production.



(i) 2011 (ii) 2009 (iii) 2008 (iv) 2010 (v) 2007

Ages of 30 students are given below. Find the mean.

7.	Age (in years)	10	11	12	13	14	15				
	No. of students	3	5	5	6	5	6				
	(i) $\frac{64}{5}$ years (ii)	77 6	yea	rs (iii)	443 30	years	(iv)	$\frac{383}{30}$ years	(v)	$\frac{413}{30}$ years

8. The mean of 5 numbers is $5\frac{3}{5}$. Upon excluding one number, the mean becomes $5\frac{1}{4}$. Find the excluded number.

(i) 6 (ii) 7 (iii) 10 (iv) 5 (v) 8

9. Heights of 10 plants (in cm) are given below. Find the mean height. 99 86 64 61 98 54 91 100 86 77

(i) $\frac{413}{5}$ cm (ii) 82 cm (iii) $\frac{408}{5}$ cm (iv) $\frac{418}{5}$ cm (v) $\frac{409}{5}$ cm

The following pie chart shows 1530 students of a school participating in various games. Find the game that has maximum participation.



(i) badminton (ii) high jump (iii) kabaddi (iv) chess (v) football

11. The pie chart given below consists of top selling race cars of different brands. Identify the least sold car.



(i) Aston Martin (ii) Porsche (iii) Rolls Royce (iv) McLaren (v) Lamborghini Reventon

The following outcomes were noted when a dice was thrown 22 times. Identify the frequency distribution table 12. for the given data.

5 3 3 3 5 6 4 2 6 5 6 1 5 1 2 4 5 6 1 6 2 2



13. The results declared by a school was as under. Identify the table for the given pie diagram.



Heights of 20 plants are given below. Find the mean.

14.	Height (in cm)	57	58	59	61	62	79	96	97			
	No. of plants	1	2	4	3	5	3	1	1			
	(i) $\frac{333}{5}$ cm (ii)	343	3 - cm	n (ii	i) -	338 5	cm	(iv)	33	34 cm	(v)	67 cm

There are 5130 creatures in a zoo as shown below. Find the pie chart sector angle for "Reptiles"

15.	Type of creatures	Water animals	Domestic animals	Reptiles	Land animals	Birds	Wild animals	Beast animals	
	No. of creatures	180	270	540	900	990	1080	1170	

(i) 37.89° (ii) 38.89° (iii) 39.89° (iv) 35.89° (v) 36.89°

16. The total export earnings of ₹720 thousand crore of a country during five years is shown below. Find the year that has 195 thousand crore export earnings.



(i) 2010-11 (ii) 2006-07 (iii) 2009-10 (iv) 2007-08 (v) 2008-09



17. Read the column-graph given below. Find the year that has minimum food grains production.

Shown below is the total food grain production of 3780 million tonnes over 5 years. Find the pie chart sector angle for "2011"

		Ye	ars	2007	2008	2009	2010	2011		
Foodgrains (in million tonnes)						450	630	720	900	1080
(i)	100.86°	(ii)	103.86°	(iii)	104	4.86°	(iv) 1	01.86°	(v)	102.86

If the mean of 4 samples is 21 , 19.

what is the new mean if 8 is subtracted from each number.

(i) 13 (ii) 16 (iii) 14 (iv) 12 (v) 11

20. Given below is the column-graph showing heights of some mountain peaks. Find the mountain that has 5760 m height.



21. The following bar graph shows the export earnings of a country (in thousand crore) during five years. Find the year that has minimum export earnings.



22. The mean of 8 numbers is $11\frac{1}{4}$. Upon adding one number, the mean becomes $11\frac{1}{9}$. Find the included number.

(i) 12 (ii) 10 (iii) 7 (iv) 11 (v) 9

23. Find the mean of all prime numbers between 10 and 60.

(i)
$$\frac{487}{15}$$
 (ii) $\frac{425}{13}$ (iii) $\frac{423}{13}$ (iv) $\frac{421}{13}$ (v) $\frac{359}{11}$

24. The total export earnings of ₹710 thousand crore of a country during five years is shown below. Find the year that has maximum export earnings.



(i) 2010-11 (ii) 2008-09 (iii) 2009-10 (iv) 2007-08 (v) 2006-07

25. Following bar graph gives the average temperature of a place during a week. Find the day that has minimum temperature.



Assignment Key									
1) (ii) 2	2) (i)	3) (v)	4) (i)	5) (iv)	6) (iv)				
7) (iv) 8	8) (ii)	9) (iii)	10) (iv)	11) (i)	12) (ii)				
13) (v) 1	14) (i)	15) (i)	16) (iii)	17) (i)	18) (v)				
19) (i) 2	20) (iv)	21) (ii)	22) (ii)	23) (iii)	24) (ii)				
25) (v)									

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