Holidays Homework

6th Standard

All questions are compulsory.

Do neat and clean work

Learn and write table 2 to 20, 10 times.

- Q:1 The following are the weight of 20 students of a class(in kg): 26,17,18,16,24,15,23,14,23,18,16,17,24,26,17,16,24,17,15,14
 - a) Prepare a frequency distribution table for the given data.
 - b) How many students to have weight above 21 kg?
 - c) How many students to have weight below 17kg?
- Q:2 Following are the marks obtained by 15 students in the annual exam out of 100: , 40,70,50,60,70,40,100,80,95,65,60,70,65,40,50
 - a) Prepare a frequency distribution table for the given data
 - b) What is the maximum marks obtained by any student?
 - c) Find number of students who scored less than 72 marks.
 - d) Find the range of data given.
- Q:3 The data shows the shoe size of 20 students of a class:

4	5	6	4	4
5	6	5	3	5
3	7	3	4	6
5	5	4	5	6

- a) Prepare a frequency distribution table for the given data.
- b) Which shoes size if worn by minimum number of students?
- c) Which shoes size if worn by maximum number of students?
- d) How many students wear size number 5?
- e) How man students wear size larger than 4?
- Q:4 Total number of animals in five villages are as follows:

Village A	130
Village B	70
Village C	50
Village D	40
Village E	80

Prepare a pictograph of these animals by taking as 20 animals.

Q:5 The total number of students of a school in different years shown in the following table:

Year	Number of students	Year	Number of students
2000	6000	2003	4000
2001	5000	2004	7000
2002	3500	2005	5500

Prepare a pictograph using represent 1,000 students and the following:

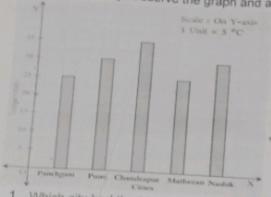
- a) How many symbols represent total number of students in the year 2002?
- b) How many symbols represent total number of students in the year 2004?
- Q:6 The pictograph shows the rainfall on some cities during a certain year.

represents 10 cm.

Now, answer the following question:

- a) Find the rainfall in cm in following cities:
 - i) City A ii) City D
- b) How many cm rain was there in City C?

Q:7 This bar graph shows the maximum temperatures in degrees Celsius in different cities on a certain day in February. Observe the graph and answer the following question



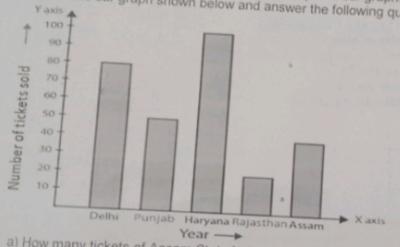
- 1. Which city had the highest temperature?
- Which cities had equal maximum temperatures?
- 3. Which cities had a temperature of 35°C?
- 4. What is the difference between the maximum temperatures of Pune and Chandrapur?

Q:8 The population of Delhi State in different census years is as given below

Concuernan	or Delilli	State in diffe	rent census ye	pare je ac give	turie and Chanc
Census year	1961	1971	1001	als is as give	n below:
Population in Lakhs	30	50	1981	1991	2001
Represent the	ahovo in	55	70	110	150
0.00	anove IU	formation with	the bala -		100

Represent the above information with the help of a bar graph.

Q:9 Read the bar graph shown below and answer the following questions:



- a) How many tickets of Assam State Lottery were sold by the agent?
- b) Of which state, were the maximum number of tickets sold?
- c) Of which state, were the minimum number of tickets sold?

Q:10 The following table shows the number of Maruti cars sold by five dealers in a particular month:

Davies	1		or mardir c	ars sold by five	e dealers in a part
Dealer	Saya	Bagga Links			
Cars sold	60	40	20	Oligatii MOTOL	Competent Motors
		40	20	15	10

Represent the above information by a pictograph by taking one as 5 cars.

Q:11 What fraction of:

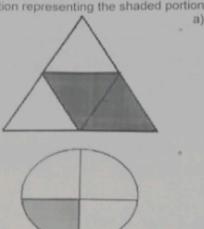
- a) A day is 4 hours
- b) A week is 4 days
- c) A year is 3 months

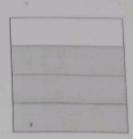
Q:12 Rohan had 30 apples with him he give 10 of them to his elder brother Ravi. What fraction of Apple is

Q:13 Ravi spend 20 hours on his study .He spend 4 hours of them on mathematics study.What fraction of

Q:14 Write all the factors of 48. What fraction of these factor are even numbers?

· Q:15 Write fraction representing the shaded portion

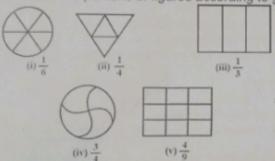






Q:16 In an examination 10000 student appear 100 of them could not clear the exam find the fraction of those students who could not clear the exam?

Q:17 Shade the portions of figures according to given fraction?



Q:18 Write the fraction of even number from 32 to 45? Q:19 Complete the table

S.No	Fraction	Numerator	Denominator
1)	4		
2)	9		Secret See
3)	2 5		
40	4 6		
5)	7 12		

Q:20 Write the fraction:

S.No	Numerator	Denominator	Fraction
	3	2	
2)	. 8	10	
	5	8	
4)	1	9	-
	6	1)	

Trian Q:25 Suraj 1 + 2 He re his re Q:26 If the c calend Q:27 Do as c	b) 26 as c) 28 as d) 30 as gle ,Quadrilate asked his frier + 3 ++100+ plied without a ply. urrent year is lar?	s a square s a rectangu s rectangu s two recta eral, Penta nd manik fi 99 + 98 adding tha	e pattern gular patten angular pa agon, Hex or answer . + 3 + 2 t it will be	ern n atterns Q:2 kagon ,Hep r for addin + 1. 100² ,Do y and future	24 Draw thotagon, Og hundred	ctagon ,N d up and d manik an	lonagon E down that swer corre	Decagon. is ectly can y	ou justified me
. 30	13 4016	7016	9018	8016	3045	9576	4852	9856	
Find: A. How man B. Arrange of C. Arrange of D. Can you will also considered and the constant of the constant	b) 68 c) 111 blanks: Il is the one hand difference and the second of small lines segme anumber of sir graph? ge of data? times of partitions action of negretals. His	are there a way to he a way that in such a simic number arshad number is now many allest and ints can be ides will be icular valuative integrative integrative integrations of a day ative integrations of a day ative integrations of a day ative integrations.	in the nur have max t the first way that ber and rig imber or r e)132 numl eatest an times in largest 4 e drawn to be there in ue in a da? ger from	mber stripe imum num and last con- every alter ght how mont f) 135 go ber among ind smalles number findigit palin through 4 in the fourt ata occur in -3 to 5?	s? hber of suell are the ernate cell any step: 1) 140 g its neight number from 100 to addromic no points? h Stage of the s	e only Sull become s you you houring using the using the o 200? umber? of koch si	e a uperce reach Ka cell e digit	pattern?	
Shoe size	Num	ber of	pairs s	sold					
4	##							-	The state of
5	HT.	1			-				
6	# 1	# #	H						
7	JHY 1	HT I							

11 Q. 41 How many pairs of size 8 were sold on Tuesday? (a) 3 (b) 10 (c) 11 (d) 13 Q. 42 Which shoe size sold the most?

(a) Size 4

8

(b) Size 6

(c)Size 8

(d) Size 9

- Q. 43 Shobhit realised that he had not fully recorded the sale for Tuesday. How many sold pairs had he not recorded?
- Q.44 The unrecorded data was of shoe size 7. Shobhit corrected his record accordingly. Which of the following statements will be true now?
 - (a) Shoe size 8 sold the least now
 - (b) Shoe size 7 sold the most now
 - (c) Shoe size 5 is the new mode of the data
 - (d) Number of shoe pairs of size 3 can be calculated
- Q.45 The price of one shoe pair of size 5 is 800. How much money had Shobhit collected by selling all the shoe pairs of size 5?

Puzzles:

Direction for Q.46 and Q.47:

Fill the boxes in such a way that each row, column and diagonal has the same sum.

-		
		,
w	•	n

8	1	6
3	5	
		2

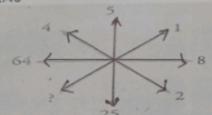
0:47.

	1	9
3	8	
	15	2

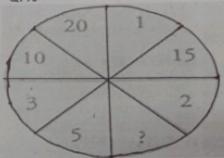
Direction for Q.48 and Q.49:

Which number will replace the question mark in the figure?

Q.48



Q.49



Q.50 Solve the below puzzle:

* Arct Integrated Project:Explain the Mathematics concepts used in Ancient toys and
games of U.P.