

Summer Maths Holiday Homework Class-8th

*Learn and write table 2 to 20 (10 times)

* Do all the questions neat and clean

Q1. Represent the following numbers on number line

(i) $\frac{2}{5}$ (ii) $\frac{5}{3}$ (iii) $-\frac{1}{2}$

Q2. Find five rational numbers between $\frac{2}{3}$ and $\frac{1}{4}$

Q3. Sum of two rational number is $\frac{3}{5}$, if one of them is $-\frac{2}{7}$. find the other

Q4. Divide the sum of $\frac{2}{7}$ and $\frac{3}{7}$ by their product.

Q5. Write additive inverse of (i) $-\frac{3}{4}$ (ii) $\frac{5}{6}$.

Q6. Write multiplicative inverse of $-\frac{23}{46}$

Q7. Express 225 as the sum of odd numbers

Q8. Write a Pythagoras triplet whose smallest number is 8.

Q9. Is 2527 a perfect square?

Q10. Find the square root of the following

(i) 9025. (ii) 4356

Q11. Find the square root of $\frac{441}{625}$

Q12. Without actual adding find the sum of $1 + 3 + 5 + 7 + 9 + 11 + 13$

Q13. The weight of 38 students of class 8 of a certain school are given below 36, 38, 42, 46, 37, 49, 51, 53, 44, 37, 41, 46, 44, 33, 40, 42, 41, 39, 50, 33, 38, 42, 47, 49, 34, 34, 38, 42, 43, 36, 35, 43, 44, 48, 42, 37, 44 construct a grouped frequency distribution table

Q14. Draw a Histogram to represent the following data

Class intervals	10-20	20-30	30-40	40-50	50-60
frequency	4	5	3	6	2

Q15. Draw a bar graph for the following data

Monthly Income(in rs)	1500-1700	1700-1900	1900-2100	2100-2300	2300-2500	2500-2700
No of workers	10	8	15	20	10	13

Q16. Represent the data by a pie chart

Source of energy	electricity	Solar	Gas	Oil
No of houses	20	10	12	6

Q17. The number of students offering different language in a school in a examination is given below.

Language	English	Hindi	Tamil	Telugu	Bangla
No of students	50	80	16	14	20

Draw a bargraph for the given data.

Q18. A coin is tossed what is the probability that head will come up?

Q19. A die is thrown what is the probability that the number two will appear on the upper face?

Q20. A die is thrown what is the probability that the number comes up is even?

MENTAL MATHS

Q21. What is the probability of a newly born baby to be a girl?

Q22. Find out the missing number:

$$\frac{3}{7} \times \frac{x}{7} \times \frac{7}{45} = \frac{1}{21}$$

Q23. Observe the pattern and find the missing digit.

$$9^2 = 81$$

$$99^2 = 9801$$

$$999^2 = 998001$$

$$9999^2 = 99980001$$

$$99999^2 = \underline{\hspace{2cm}}$$

$$999999^2 = \underline{\hspace{2cm}}$$

Q24. Fill in the blanks:- 1, 3, 6, 10, 15, __, __, __

Q25. Given that $\sqrt{1521} = 39$, find the value of $\sqrt{0.1521}$

Q26. Is 567081 divisible by 3?

Q27. Find the value of 27 % of rupees 50.

Q28. Can a triangle have three angles whose measure are 65, 74 AND 39 DEGREE?

Q29. WHICH LETTER HAS BOTH LINE AND ROTATIONAL SYMMETRY ?

Q30. Find the unknown values

A	B	2
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+	2	A
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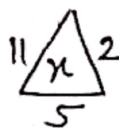
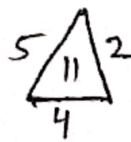
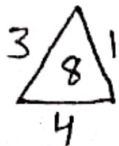
A	A	8
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MATHS PUZZLES

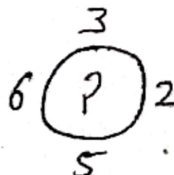
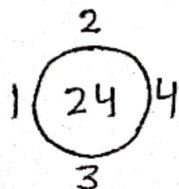
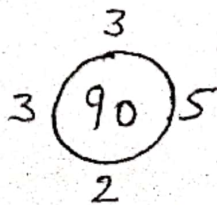
Q31. Complete the series:

5, 10, 15, 20, 25,

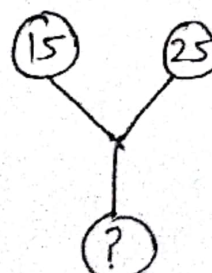
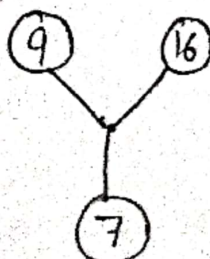
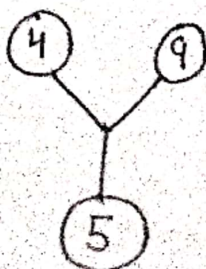
Q32. What is the value of x?



Q33. Find the missing number in the place of question mark.



Q34. What number comes on the place of?



Q35. Find odd one out in the following numbers
2,8,11,14,16.

Q36. What number comes on the place of ?

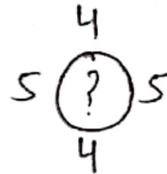
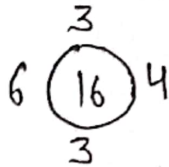
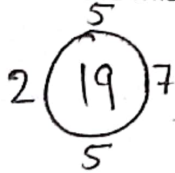
5	2
10	4

6	4
12	8

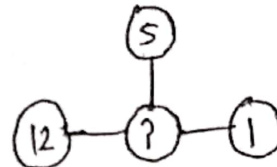
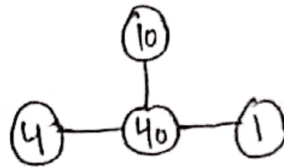
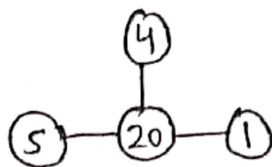
7	8
?	?

Q37. Write next two terms of the following sequence:
1,4,13,40,.....

Q38. Find the missing number in the place of ?



Q39. what number come on the place of question mark?



Q40. FIND
 $(1^2 + 2^2 + 3^2)^{1/2}$

#ART INTEGRATED PROJECT:

TOPIC- FOOD HERITAGE OF TELANGANA

(Describe any one food)

#ACTIVITY

USE CARDBOARD TO MAKE HEXAGONAL PYRAMID. WRITE ABOUT ITS FACES, VERTICES AND EDGES.

CHART

DRAW AND EXPLAIN 2D AND 3D FIGURES.