

Holiday Homework of Maths

Class – VII

- All questions are compulsory
- Do the neat and clean work
- Learn and write table 2 to 20 10 times

Q1. If the mean of 6,8,5,X, 4,7 and 8 is 7. find x.

Q2. Prepare a frequency table of the following data for the height (in cm)of 15 students

85 ,61, 92 ,80,82 ,80, 67,85,83 81 ,92, 80,61, 72, 63.

Q3. Find the range of the given data

3.5,2, 4.5 ,8.7, 1.9 ,3.2,1.9

Q4. Find the median of the following data

15 ,6 ,16 ,8 ,22,21, 9,18,25

Q5. If the mean of 6, 7, 10, x, 9, 12, 11 is 8. find x.

Q6. Find the mean of first 6 natural numbers.

Q7. Draw a bar graph to represent the following information

Years	1993	1994	1995	1996	1997
Number of computer sold by a dealer (in thousand)	24	20	30	25	40

Q8. Find the mean ,median and mode of the following marks of 15 students on a screening test (out of 20)

2,5,3,3,0, 1,8,5,7,11, 15,1, 13, 0,8,0

Q9. Find the mode of the following marks obtained by 10 students

4,5,3,2, 3,2,7, 5,3,1

Q10. Find the mean of first 5 multiples of 10

Q11. How much less is 42.6 km from 60.5 km?

Q12. What should be subtracted from 50.12 to get 59?

Q13. Multiply

2.02×5.66

Q14. Cost of 1 kg rice is rupees 120.50. Find the cost of 65.5 kg of rice.

Q15. Divide

$7.75 \div 0.25$

Q16. A litre of juice cost rupees 35.25. Find the cost of 6 litre of juice.

Q17. Express in kg

67 g

Q18. Express 356 mg as g

Q19. Write in expanded form

456.75

Q20. What should be added to 35.12 to get 55 ?

**MENTAL MATHS

Q21. Find the value of

$-27 - (-23)$

Q22. What will be the sign of the product if we multiply together 8 negative integers and one positive integer ?

Q23. By which digit we cannot divide any number ?

Q24. Can a proper fraction be written as mixed fraction ?

Q25. What is decimal for 45 paise of a rupee ?

Q26. Which is greater 30 kg or 30000 gram ?

Q27. What is place of thousandths place in decimals ?

Q28. To calculate average pocket money of a group of children which central tendency should be used ?

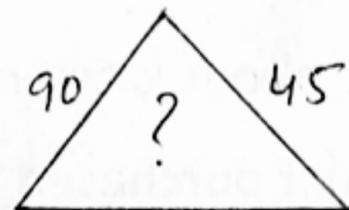
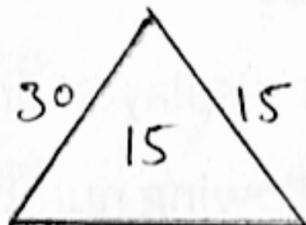
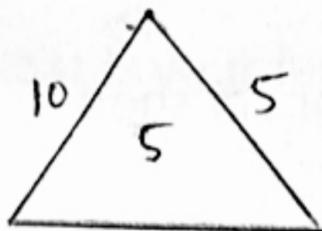
Q29. What is the median of the data

4,7,1,9,3 ?

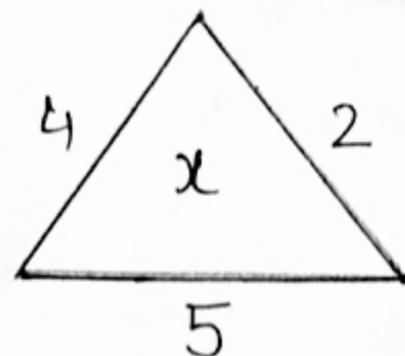
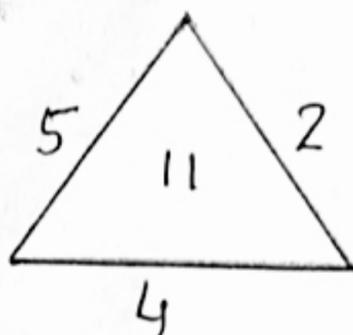
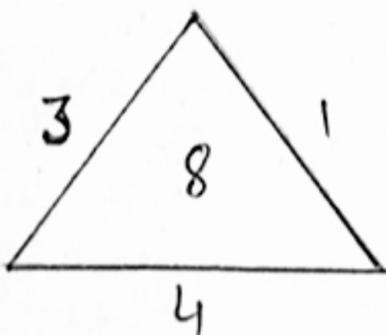
Q30. If the mean of 5 number is 10 , what is their total sum ?

MATHS PUZZLE

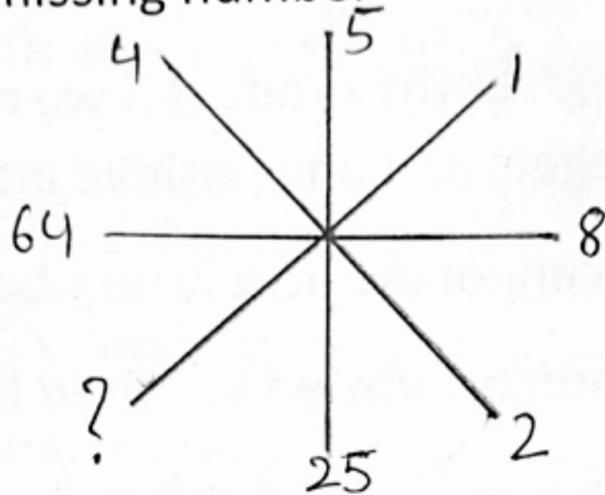
Q31. What number come on the place of question mark ?



Q32. What is the value of x



Q33. Find the missing number



Q34. I am a two digit number. My digits add up to 9. If you reverse me, I become 27 more than the original. what number am I ?

Q35. If today is Wednesday. what day of the week will it be after 45 days ?

CASE STUDY BASED QUESTIONS

1 NOTEBOOK. – RS. 45.75.

1 BALL PEN. - RS. 35.50

1 ERASER. – RS.7.50

1 PENCIL. – RS. 12.50

1 SHARPENER. – RS. 11.50

The about is the rate list displayed on a stationary shop

Mohit purchased the following number of items

Notebook - 2

Ball pen - 4

Eraser - 5

Riya purchase the following number of items

Pencil - 3

Eraser - 6

Notebook - 4

Sharpener – 3

(a) Find the bill amount of both. whose bill was more and by how much ?

(b) Mohit give rs. 500 note to the shopkeeper. Find the amount returned by shopkeeper.

(c) Riya gave rs.2000 note to the shopkeeper. Find the amount returned by the shopkeeper.

SURVEY - BASED ACTIVITY

Conduct a survey by asking five of your classmates the following questions

(i) How many hours do you spend on homework each day

(ii) How much time do you spend watching TV or using a mobile phone ?

(iii) Do you play any outdoor game ? if yes how often?

(iv) What is your favourite hobby ?

Questions based on the survey

(i) Create a table to record your classmates answers .

(ii) Which activity is the most common among your classmates ?

(iii) How many students play outdoor games regularly ?

(iv) What can you learn from this survey about your class's habit ?

* Art Integrated Project

Explain the Mathematical concepts used in Ancient toys and games of Haryana. (Explain about any 1 toy or game.)