

SUMMER HOLIDAYS HOMEWORK

SUBJECT – MATHEMATICS

CLASS -7TH

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

Do all the given questions

1. Evaluate $\{-15\} - \{-19\}$
2. write a pair of integers whose sum gives a negative integer.
3. evaluate: $(-31) \div [(-30) + (-6)]$
4. what fraction of 250g of 2 kg?
5. Simplify (I) 0.09×1.04 (ii) $3\frac{3}{7} - \frac{16}{21}$
6. If $\frac{3}{4}$ of a number is 12 then find the number.
7. write the place value of the digit 7 in the decimal number 35.0471.
8. write $\frac{114}{138}$ into to simplest form.
9. what is multiplicative inverse of $3\frac{5}{7}$.
10. If $\frac{2}{3}$ of a number is 10, then what is 2.5 times of that number?
11. Is zero a rational number ? If yes, Give reason.
12. write four equivalent rational numbers of $\frac{3}{5}$
13. Represent the following on a number line : (i) $\frac{2}{5}$ (ii) $-2\frac{3}{5}$.
14. Insert five rational numbers blw $\frac{1}{3}$ and $\frac{2}{3}$.
15. what national number should be added to -5 to get $\frac{7}{8}$?
16. The product of two rational numbers is $\frac{2}{5}$, If one number is -2. Find the other number.
17. For any integer a, what is $(-1) \times a$ equal to?
18. simplify: (i) $17 - \{8 \div (2 \times 3 - 4)\}$ (ii) $\{11\} - 3 \times \{-16 \div (-4)\} + 19$
19. what will be the sign of the product is we multiply 39 negative integers and 98 positive integers?
20. Aslam Can walk $5\frac{2}{5}$ km in one hour. How much distance will he cover in 34 hours ?

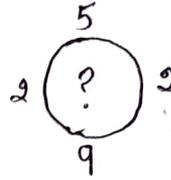
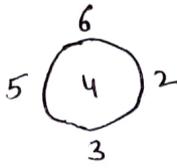
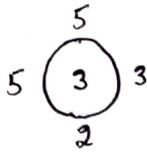
Mental Maths

21. $7 \times 8 = 151$, $4 \times 6 = 102$, $5 \times 9 = 144$, Find the value 2×5 .
22. If P denotes \div Q denotes $*$, R denotes $+$ and S denotes $-$. what is the value of $18Q 12 P 4 R 5 S 6$?
23. Completes the following series: 2, 5, 8, 11,
24. Fill in the blanks: $7.035\text{m} = \dots\text{m} \dots\text{cm} \dots\text{mm}$
25. Find the value $10 - 3x$, when $x = 6$.
26. work out $7x(11-6) + 4$.
27. which these numbers is not Prime ? 29 17 31 23 39.
28. $0.73 + \dots = 1$
29. I am between 20 and 30. I am a multiple both 3 and 4. who am I.

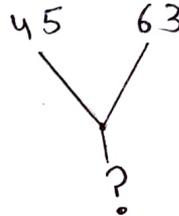
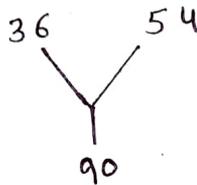
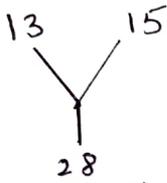
30. Convert $1\frac{3}{4}$ into a decimal.

PUZZLES

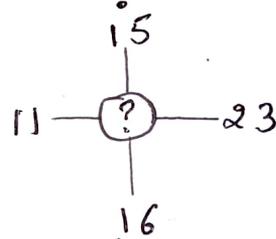
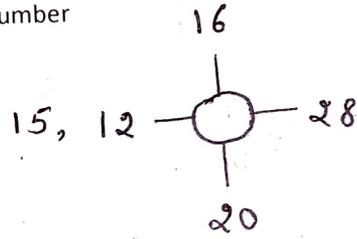
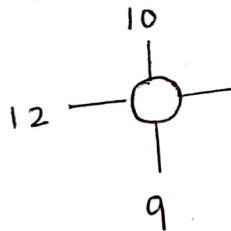
31. Find the number which replaces the question



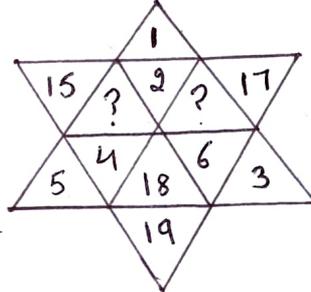
32. Insert the missing number



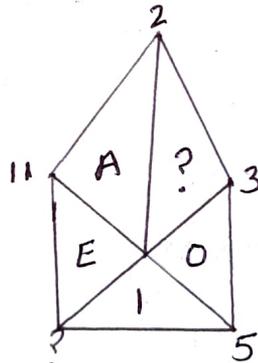
33. Find the missing number



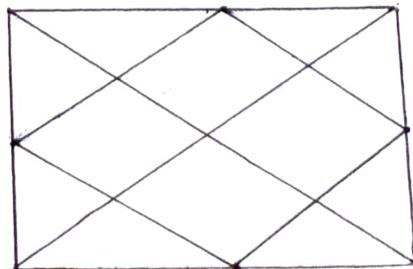
34. Find the number which replace the ?



35. Find the missing value



36. How many triangles are there in the figure:



37. Observe the following pattern and find the missing digits:

$$21^2 = 441$$

$$201^2 = 40401$$

$$2001^2 = 4004001$$

$$20001^2 = \dots\dots\dots$$

$$200001^2 = \dots\dots\dots$$

38. Fill in the blanks

$$\begin{aligned} \bigcirc + \bigcirc &= 10 \\ \bigcirc \times \square + \square &= 12 \\ \bigcirc \times \square - \triangle \times \bigcirc &= \bigcirc \\ \triangle &= ? \end{aligned}$$

39. Fill in the blanks

$$\begin{aligned} \square + \square &= 14 \\ \square + \square &= 10 \\ \square &= 15 \\ \square &= 16 \end{aligned}$$

40. If $10 \times 10 = 5$

$$20 \times 20 = 10$$

$$30 \times 30 = 15$$

$$200 \times 50 = \dots\dots\dots$$

#ART Integrated Project Topic

Monuments of Telangana.

(Describe any one monument)

Data handling activity

Collect the data no. of Children in 5 families around your neighborhood. Then Represent the data by a

(i) Pictograph

(ii) Bar graph

(iii) Draw a frequency distribution table

#Chart

Draw and explain 3-D figures with no. of vertices, no. of edges and no. of faces.