

EVERWIN VIDHYASHRAM

STD: VII - VIII CONQUERING MATH - WORKSHEET

1. Look at the series: 2, 1, $\frac{1}{2}$, $\frac{1}{4}$, ... what number should come next?

Ans: 1/8

2. Which is the odd one out? Index, Glossary, Chapter, Book.

Ans: Book

3. Melt: Liquid :: Freeze: ___ ice, solid, condense, push. Ans: Solid

4. Kevin, Joseph & Nicholas are 3 brother. If the following statement are all true, who is the youngest?

Kevin is the oldest Nicholas is not the oldest

Joseph is not the youngest.

a) Joseph b) Kevin c) Nicholas d) Both Joseph & Nicholas

5. A MB, CLB, BKC, DJC, _____.

a) EID b) CJD c) EIF d) CID Ans: CID

6. $56 + 45 = 50$ $76 + 68 = 90$ $23 + 44 = 22$ $66 + 88 = ??$

a) 80 b) 46 c) 21 d) 100

7. Substitute the correct mathematical symbols in place of * in the following equation. $16 * 4 * 5 * 14 * 6$

a) $\div - = \times$ b) $- \times + =$ c) $\div \times = +$ d) $\div + = -$

None of them

8. If, * means /, - means *, / means + and + means -, then $(3 - 15 / 19)$

$* 8 + 3 =$ _____ Ans: 5

a) 5 b) 4 c) 2 d) -1

9. $9 + 2 = 711$ $14 + 6 = 820$ $17 + 11 = 628$

$12 + 3 =$ _____ Ans: 9 1 5

10. $\star + \star + \star = 36$

$\diamond + \diamond + \star = 30$

$\triangle + \triangle + \diamond = 15$

$\circ + \circ + \diamond = 13$

$\star + \diamond + \circ = ?$

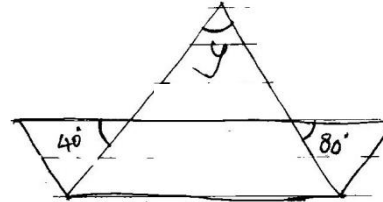
Ans: 22

11.

4			
6	2		
9	?	1	
19	10	7	6

Ans: 3

12.



In the above picture, can you identify the value of angle y.

Ans: ($y = 60^\circ$)

13. Which number should replace the question mark?

1	3
6	8

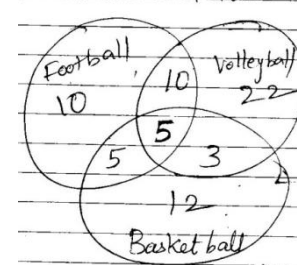
6	9
7	3

2	4
6	4

?	6
7	2

Ans: 4

14. How many students are playing all the three games?



Ans: 5

15. Find the value of A, B, C

$$\begin{array}{r} 3 \quad A \\ + A \quad 3 \\ \hline B \quad B \quad C \end{array}$$

Ans: A = 7

B = 1

C = 0

16. Which is the smallest squared prime number.

a) 1 b) 2 c) 3 d) 4 Ans: 4

17. The only number which can't be represented by Roman numerals.

a) 0 b) 1 c) 3 d) 4 Ans: 0

18. 'The expression to the nines' means _____.

a) To the supreme degree b) To the highest degree

c) To the only degree d) To the smallest degree

19. Which is a fibonacci number. a) 1 b) 3 c) 5 d) 7 Ans: 5

20. What is the atomic number for oxygen.

a) 2 b) 4 c) 6 d) 8 Ans: 8