



VIDYA BHARATI SCHOOL
OLYMPIAD WORKSHEET: Apr- 2017
GRADE: V
SUBJECT: MATHEMATICS

1. Surjeet gets paid daily for the work he does, and he does not work on Sundays. Last year was not a leap year, and had 52 Sundays, and he got Rs. 235689 as his annual salary last year. If November of last year had 4 Sundays, then what were his earning for that month?

- A. Rs. 18825 B. Rs. 19578 C. Rs. 23343 D. Rs. 22590

2. Tina rolls a cube which has following letters on each face, **P N R E O A**

What is the fraction of symmetric (either horizontal or vertical) letters on the cube ?

- A. $\frac{3}{6}$ B. $\frac{5}{6}$ C. $\frac{2}{6}$ D. $\frac{4}{6}$

3. Shweta and Neha start walking to school at the same time every morning. The ratio of the distance of Shweta's house to the school and Neha's house to the school is 7:13. If they both reach school at the same time, then the ratio of the speeds of walking of Shweta and Neha is

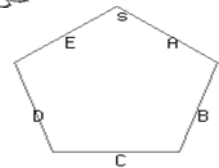
- A. 7:14 B. 14:7 C. 8:13 D. 7:13

4. A bear is walking on periphery of a regular polygon as shown below.



If it starts from point s, bear will be on which side after walking 64%

distance of the periphery in clock-wise direction?



- A. E B. A C. C D. D

5. Find the rule for pattern shown below,

210 225 240 255 270

- A. Counting by 25 B. Counting by 5

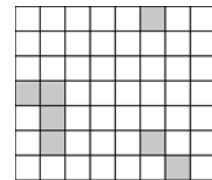
- C. Counting by 15 D. Counting by 20

6. Which of following is correct ?

- A. $700 + 61 = 706 + 1$ B. $700 + 61 = 70 + 61$
C. $700 + 61 = 710 + 6$ D. $700 + 61 = 701 + 60$

7. How many more squares need to be shaded cover 50% of the total area ?

- A. 7 B. 21
C. 14 D. 28



8. Among five friends, Tina is taller than George, but not as tall as Shilpa. Rajesh is taller than Sonia but shorter than George. Who is tallest in the group ?

- A. Rajesh B. George C. Sonia D. Shilpa

9. The ratio of the weights of Pradip to that of his friend Sonia is 7:12 . Sonia now goes on a diet and loses 4 kgs, and now the ratio of their weights is 7:10. How much does Sonia weigh now?

- A. 24 B. 14 C. 30 D. 20

10. In a clock, the hour hand is pointing between digits 8 and 9, and the minute hand is pointing at 9. What is the current time?

- A. 9:35 B. 8:35 C. 8:45 D. 9:45

11. Pradip walked 25 kms to the east, then turned left and walked 20 kms. He then turned west and walked 40 kms. He again turned left and walked 20 kms. How far is he from his house ?

- A. 15 kms B. 20 kms C. 25 kms D. 10 kms

12. In a row of students, Raj is standing at 10th position from left, and Rajesh is standing at 13th position from right. If Raj and Rajesh, interchanges their position, Rajesh becomes 19th from right. How many students are their in the row ?

- A. 31 B. 30 C. 26 D. 28

13. The parking lot of the theater has a capacity of 1127 cars. On Friday, the ratio of the empty parking spots to occupied parking spots is 18:31. The number of cars that were parked there on that day is:

- A. 744 B. 414 C. 500 D. 713

14. Shyam, Pradip, Sneha and Shweta are playing cards. Shyam and Pradip are partners. if Pradip is facing west, and Sneha is sitting on right hand side of Pradip. Shweta is facing which direction ?

- A. north B. east C. south D. west

15. P is to the East of Q, and R is to the South of Q. In what direction is P with respect to R ?

- A. West-North B. East-North C. East-South D. West-South

16. Aamir calculates that he has 187976453 seconds left before he turns 18 and can vote in the elections. How many years old is Aamir now?

- A. 14 B. 10 C. 13 D. 12

17. In a triangle, the third angle is two third of the first angle, and the first angle is three times the second angle. What is the value of the third angle?

- A. 30° B. 90° C. 60° D. 45°

18. In an exam of History and General Knowledge, 32% and 25% students failed in History and General Knowledge respectively. If 14% students failed both in History and General Knowledge, find the percentage of students who failed in the exam.

- A. 43% B. 48% C. 36% D. 49%

19. Shweta buys 1100 liters of diesel at a price of Rs.48576. She finds on reaching her destination that 8% of the diesel has leaked out. At what price would she have to sell each liter to make a total profit of 30%?

- A. Rs.62.80 B. Rs.62.40 C. Rs.62 D. Rs.64

20. $8888 = 8000 + \underline{\quad} + 8$. What is the missing number?

- A. 8 B. 880 C. 88 D. 808

*For more practice material please click: www.brilliant.org; www.sofolympiadtrainer.co
www.olympiadhelper.com