



RAMAGYA SCHOOL, NOIDA  
WORKHEET, 2018-2019  
SUBJECT: Mathematics

CLASS: VI

MONTH: APRIL

**Concept**

- $3 \times 10000 + 0 \times 1000 + 8 \times 100 + 0 \times 10 + 7 \times 1$  is  
(A) 30807 (B) 300807 (C) 308007 (D) 3087
- 1 billion is equal  
(A) 100 millions (B) 1000 lakhs (C) 10000 lakhs (D) 10 millions
- Which of the following numbers in Roman Numerals is incorrect?  
(A) LXII (B) XCI (C) LC (D) XLIV
- The number 58963 rounded off to nearest hundred is  
(A) 58965 (B) 59870 (C) 58900 (D) 58960

**Application**

- Population of Agra and Aligarh districts in the year 2001 was 36,20,436 and 29,92,286, respectively. What was the total population of the two districts in that year?  
(A) 5657321 (B) 6612722 (C) 4012345 (D) 3457890
- Add 75 to the difference of 106 and 89.  
(A) 19 (B) 92 (C) 90 (D) 87
- A decimal number lying between 3.2 and 3.22 is  
(A) 3.118 (B) 3.218 (C) 3.3 (D) 3.23
- The expression 5 reduced from 3 times  $x$  is:  
(A)  $5x-3$  (B)  $5-3x$  (C)  $3x+5$  (D)  $3x-5$
- The solution of the equation  $3x+4=1$  is:  
(A) 1 (B) 0 (C) -1 (D) 2
- If there are  $x$  chairs in a row, then the number of students that can be seated in rows are:  
(A)  $7+x$  (B)  $7x$  (C) 35 (D)  $x^2$
- In a classroom there are  $x$  rows. If each row  $\frac{x}{3}$  benches and each bench can accommodate 4 students, find the seating capacity of the classroom.  
(A)  $\frac{4x}{3}$  (B)  $\frac{x^2}{3}$  (C)  $\frac{4x^2}{3}$  (D)  $\frac{4x+3}{3}$
- The length of the rectangle is 3 times its breadth. The area of the rectangle in terms of its breadth  $x$  is:  
(A)  $3x$  (B)  $3x^2$  (C)  $5x^2$  (D)  $8x^2$

**HOTS**

13. If  $2(5x-2)=4$ , then  $x=$   
(A)  $\frac{1}{4}$  (B)  $\frac{3}{5}$  (C)  $\frac{4}{5}$  (D) none
14. If  $6(\frac{1}{2}x + 1) = 12$ , then  $x =$   
(A) 1 (B) 4 (C) 5 (D) 2
15.  $(3-x)(2+7x)=6+\underline{\hspace{2cm}}-7x^2$   
(A)  $-19x$  (B)  $-12x$  (C)  $9x$  (D)  $11x$
16.  $(2x+3y)(x+2y)=2x^2 + \underline{\hspace{1cm}} + 6y^2$   
(A)  $2xy$  (B)  $5xy$  (C)  $7xy$  (D)  $3xy$
17. In Parul's garden, there are 25 rows of vegetables. She has five more rows of peppers than tomatoes and two fewer rows of cucumbers than tomatoes. If  $y$  represents the number of rows of tomatoes in the garden, which number sentence can be used to find how many rows of each vegetable were planted?  
(A)  $y + (y + 5) + (y + 2) + y = 25$  (B)  $(y + 5) + y = 25$   
(C)  $(y + 5) + (y - 2) = 25$  (D)  $(y + 5) + (y - 2) + y = 25$
18. Which of the following fractions is closest to 0?  
A)  $\frac{5}{12}$  B)  $\frac{2}{3}$  C)  $\frac{5}{6}$  D)  $\frac{3}{4}$
19. If  $3a$  and  $2b$  denote the length and breadth of a rectangle, then its perimeter is:  
(A)  $3a+2b$  (B)  $a+b$  (C)  $2(a+b)$  (D)  $6a+4b$
20. Sita is Radha's younger sister. Sita is 7 years younger to Radha. Write Radha's age in terms of Sita's age?  
(A)  $(x+3)$  years (B)  $(x+7)$  years (C)  $(x+4)$  years (D)  $(4x)$  years