

INDIAN SCHOOL AL WADI AL KABIR

Holiday Homework

Class:VI Mathematics 18/12/2018

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| Q.No | Questions | Ans |
| 1 | Find the perimeter of a regular pentagon with each side measuring 9cm. | 45cm |
| 2 | Find the area of a rectangle whose length and breadth are 27m and 15m. | 405m2 |
| 3 | Anisha walks around a square park of side 90 m. Vandana walks around a rectangular park of length 80 m and breadth 60 m. Each one makes four rounds. Who covers less distance and by how much? | Vandana by 320m. |
| 4 | Find the length of the side of an equilateral triangle if the perimeter is 18cm. | 6cm |
| 5 | Find the perimeter and the area of the given figure: | Perimeter = 26cm,  Area = 26cm2. |
| 6 | Square slabs of side 40 cm are to paved in a rectangular courtyard of length 24m and breadth 16 m. Find the number of slabs required? | 2400 slabs |
| 7 | Mr.Verma has an orchard of length and breadth 280m and 200m respectively. He wants to fence it with 4 rounds of barbed wire. Find the cost of fencing at ₹35 per metre. | ₹1,34,400 |
| 8 | A room is 26m long and 15m wide. A 14m square carpet is laid on the floor. What area is not carpeted? | 194m2 |
| 9 | A tile of a square is of side 30 cm. How many such tiles would be required to cover a floor of a square room of side 6m? | 400tiles |
| 10 | The perimeter of a triangle is 22 cm. if its two sides measure 9cm and 6cm, find the length of the third side? | 7cm |
| 11 | Hari is 3 years elder than Ashok. Write Hari’s age in terms of Ashok’s age. Take Ashok’s age is ‘p’ years. | p+3 |
| 12 | Find the value of the variable which satisfies the equation by trying the values given in bracket: = 5 (2 , 5 , 10 , 15) | m = 10 |
| 13 | In the morning assembly, there are 12 students in a row. What is the number of students in (a) ‘p’ rows (b) 6 rows (c) 20 rows | 12p,72,  240. |
| 14 | The present age of Ashok is ‘y’ years. Answer the following  (a) After 5 years what will be his age?  (b) What was his age 6 years back?  (c) His grandfather‘s age is 5 times his age, What is the age of grandfather?  (d) His father’s age is 6 years more than 3 times his age. What is his father’s age? | (a) y+5  (b) y-6  (c) 5y  (d) 3y+6 |
| 15 | Complete the table and find the solution of the equation x – 7 = 5   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | x | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | x - 7 | - | - | - | - | - | - | - | | x =12 |
| 16 | Pick out the solution from the values given in the bracket. Show that the other values do not satisfy the equation. 5t =35; ( 5, 7, 10, 12) | t =7 |
| 17 | Identify the equations:  (a) 6m = 6 (b) k+2 < 3 (c) 2w +5 = 7 (d) m + 8 > 2p – 7 | a), c) |
| 18 | Identify expressions with variables:   1. 6a – 3 b) 3(6+5) - 2 c) 23 - 6m d) -3p + 7 e) 5x12 -3x2 | a), c), d) |
| 19 | Write algebraic expression for the following.  a. Twice a number x added to 8.  b. 1 less than 6 times n.  c. Product of x and y increased by 3.  d. 5 times p divided by three times q. | a. 2x+8  b. 6n-1  c. xy+3  d. |
| 20 | Apples are to be transferred from larger boxes into smaller boxes. When a large box is emptied, the apples from it fill three smaller boxes and still 7 apples remain outside. If the number of apples in a small box are taken to be ‘m’, what is the number of apples in the larger box? | 3m+7 |

Happy New Year 2019