



INDIAN SCHOOL AL WADI AL KABIR

PO 513, PC 117, WADI KABIR, SULTANATE OF OMAN

Department of Mathematics, 2018-2019

SUMMER MATHEMATICS HOLIDAY HOMEWORK [2018-19] CLASS-VI

- | Q.No | Questions | |
|------|--|------------------------|
| 1. | Write the successor and predecessor of 75000. | |
| 2. | Write the following in expanded form | |
| | a) 506723 | |
| | b) 48250 | |
| 3. | Insert commas suitably and write the number name in the Indian System-
80018018. | Ans:8,00,18,018 |
| 4. | Write the numeral for the given number name and insert commas -
Thirty three million four hundred ten thousand six hundred | |
| 5. | A merchant had ₹78,592 with him. He placed an order of purchasing 54 bicycles at ₹ 970 each. How much money will be left with him after the purchase? | Ans:₹26,212 |
| 6. | Round off 1205 | |
| | 1. To the nearest tens | |
| | 2. To the nearest hundreds | |
| | 3. To the nearest thousands | |
| 7. | A milkman supplies 72 litres of milk to a student's hostel in the morning and 28 litres in the evening every day. If the milk costs ₹ 35 per litre, how much money is due to the vendor per day? | Ans: ₹ 3500 |
| 8. | Find the sum using suitable rearrangement | |
| | a) $311 + 528 + 689$ | Ans:1528 |
| | b) $723+834+66+277$ | 1900 |
| 9. | Find the value of the following using suitable property of whole numbers. Name the property used. | |
| | i) $54279 \times 92 + 54279 \times 8$ | Ans: i) 5427900 |
| | ii) $60678 \times 262 - 60678 \times 162$ | ii) 6067800 |

10. Find the product using suitable rearrangement
 $125 \times 40 \times 8 \times 25$
Ans: 1000000
11. Write the smallest 4-digit number and prime factorise it using factor tree method.
12. Find the product using suitable properties. Name the property used.
i) 674×110
ii) 1006×178
Ans: i) 74140
ii) 179068
13. Which of the following pairs of numbers are co-prime? Give reasons.
a) 24, 49
b) 208, 209
Ans: Both
14. Find the prime factorisation of 315 by division method.
15. Find the HCF of the given numbers using prime factorisation method.
a) 54, 72
b) 105, 104, 175
Ans: a) 6
b) 35
16. Meenu purchases 2 bags of rice of weight 75 kg and 69 kg. Find the maximum value of weight which can measure the weight of rice exact number of times.
Ans: 3 kg
17. Find the prime factorisation of 135 using factor tree method.
18. Find the LCM of 12, 20, and 36 by prime factorisation method.
Ans: 180
19. Make 3 pairs of co-prime numbers from the numbers 2, 6, 14, 23.
20. Three bells ring at an interval of 4, 7 and 12 seconds respectively. They start ringing together at 7 a.m. When will they ring together again?
Ans: after 84 seconds

Submission Date: 7th Aug 2018

All the Best!