Markhor Junior Contest 2020

Elementary Level (Class V & VI) Mathematics
Time Allowed 60 Minutes

There are 19 problems, graded as follows:
Questions 1-5 are 1 point each,
Questions 6-10 are 2 points each,
Questions 11-15 are 3 points each,
Questions 16-19 are 5 points each.

1. **The greatest three digit number using three distinct digit**
   a) 999
   b) 998
   c) 987
   d) 978

2. **421 rounded to nearest ten**
   a) 420
   b) 400
   c) 421
   d) None

3. **Estimation of 7839 to nearest hundreds is**
   a) 7800
   b) 7830
   c) 7839
   d) 7840

4. **The predecessor of the smallest 4- digit number is**
   a) 99
   b) 999
   c) 1000
   d) 1001

5. **The product of the predecessor and the successor of the greatest 2- digit number is**
   a) 9900
   b) 9800
   c) 9700
   d) None of these

6. **If a is whole number such that a + a= a, then "a" is equal to**
   a) 0
   b) 1
   c) 2
   d) None of these

7. **The number of 3-digit numbers between 94 and 607.**
   a) 507
   b) 508
   c) 509
   d) 506

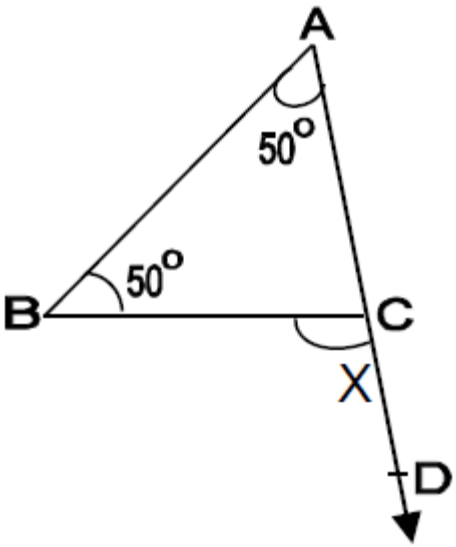
8. **A banana seller buys 150 dozen bananas at Rs.20 per dozen. Calculate the total expenditure, including overhead costs of Rs.200.**
   a) 1500
   b) 300
   c) 3000
   d) 3200
9. **Samar purchased a bicycle for Rs.4200, and spent Rs.800 on its repairs. He had to sell it for Rs.4500. Then there is a**
   a) loss of 10%
   b) Gain of 10%
   c) Loss of 15%
   d) Gain of 15%
10. **The sum of the prime factors of 1729 is**
    a) 13
    b) 19
    c) 32
    d) 39
11. **Which of the following is a pair of twin- prime numbers?**
    a) 19,21
    b) 43,47
    c) 59,61
    d) 73,79

12. Which of the following numbers has the unique property of being both a perfect square and a perfect cube?

a) 125
b) 729
c) 512
d) 216

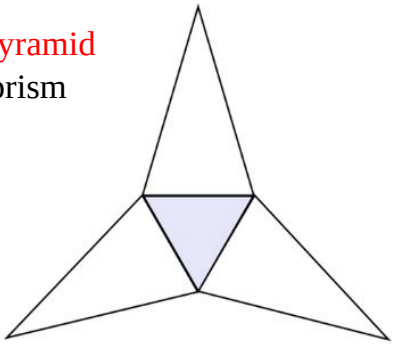
13. Which of the following triangles is possible with the given three sides

a) AB = 6cm BC = 2cm and AC = 5cm
b) AB = 11cm, BC = 5cm and AC = 6cm
c) AB = 8cm, BC = 3cm and AC = 4cm
d) AB = 20cm, BC = 5cm and AC = 7cm



14. The following figure is the net of a_____.

a) Cube
b) Cuboid
c) Triangular pyramid
d) Pentagonal prism



15. If the perimeter of a square is 60 cm, then its area is

a) 600 cm^2
b) 120 cm^2
c) 225 cm^2
d) 240 cm^2

16. If the sides of a square are double then its area becomes

a) Double
b) Half
c) Increase four times
d) Increase ten times

17. **A picture is 60cm wide and 1.8m long. The ratio of its width to the perimeter in lowest form is**
    a) 1:2
    b) 1:3
    c) 1:6
    d) 1:8
18. **The distance travelled by Rehan if he takes 7 rounds of square park of side 90m is**
    a) 2.52km
    b) 5.25km
    c) 25.2km
    d) 15.25
19. **Which of the following daily life situations best describes reflection?**
    a) Throwing a ball against a wall
    b) Mirroring your image in a window
    c) Sliding down a slide
    d) Rolling a wheelbarrow