

International Markhor Junior Contest 2023

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. Which is the largest?

- a) $2 \times 5 + 12$
- b) $15 \times 5 - 5$
- c) $6 \times 4 + 25$
- d) $12 \times 5 + 3$

2. Ahmed, Umar, and Farhan want to perform a mathematical operation. Ahmed wants to multiply by 5, Umar wants to add 10 and Farhan wants to subtract 25. Which order will they follow to make 5 into 50?

- a) FAU
- b) UAF
- c) FUA
- d) AUF

3. To make the equality $1 + 22 - \blacksquare = 20$ correct, we should replace $\blacksquare$ with

International Markhor Junior Contest 2023

- a) 2
 - b) 3
 - c) 1
 - d) 5
- 4. It takes 40 minutes to walk to school. If he goes to school on a bicycle and returns home on a bicycle it takes only 30 minutes. What is the time if he goes to school on a bicycle and returns on a walk?**
- a) 60
 - b) 55
 - c) 40
 - d) 45
- 5. Rida has some marbles. She put them in 5 boxes 20 marbles in each box. There are still 10 marbles left. How many marbles are there?**
- a) 120
 - b) 150
 - c) 110
 - d) 100
- 6. Zain bought a car and wants to sell it for 20% profit. If the price of the car was 450,000 what would be the sale price of the car?**
- a) 490,000
 - b) 540,000
 - c) 450,000
 - d) 200,000

International Markhor Junior Contest 2023

7. How many hours are there in half of a third of a quarter of a day?

- a) 5
- b) 3
- c) 2
- d) 1

8. Umar subtracted a 2 digits number then he hid 2 different digits. Can you find the total of hidden digits?

$$\blacksquare 2 - 2 \blacksquare = 34$$

- a) 94
- b) 12
- c) 90
- d) 14

9. What is the length of the bridge if a train takes 10 seconds to cross a pole and 30 seconds to cross the bridge?

- a) Equal to the train
- b) Double the train
- c) Half of the train
- d) Three-time the train

10. Which is the top view?



a



b



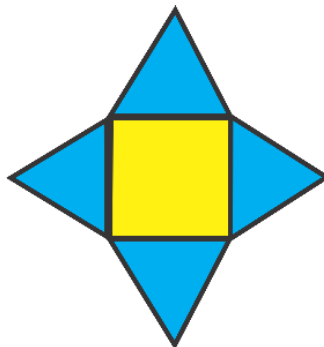
c



d

11. A star is made up of four equilateral triangles and a square. The perimeter of the square is 64cm. What is its perimeter of the star?

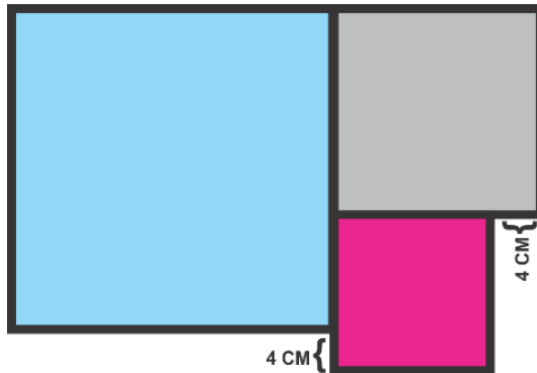
- a) 512
- b) 128
- c) 64
- d) 256



12. The perimeter of the small square is 36 cm.

What is the perimeter of the biggest square?

- a) 36
- b) 72
- c) 256
- d) 156



13. In the following addition, some of the digits have been replaced by circle. Find the sum of digits hidden behind the circle.

- a) 10
- b) 18
- c) 11
- d) 16

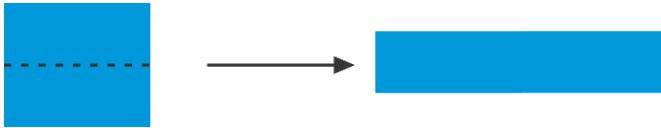
$$\begin{array}{r}
 1 \text{ } \bullet \text{ } 9 \\
 + \quad 3 \text{ } \bullet \text{ } 8 \\
 \quad 4 \text{ } \bullet \text{ } 6 \\
 \hline
 9 \text{ } 3 \text{ } 3 \\
 \hline
 \end{array}$$

14. What is the sum of the smallest 4-digit number and the largest 4-digit number?

- a) 1099
- b) 9999
- c) 10999
- d) 99001

15. A square of perimeter 64cm is cut into 2 pieces to make a rectangle. What is the perimeter of the rectangle?

- a) 40
- b) 70
- c) 80
- d) 32



16. The pink and grey pearls are in a necklace. Saad wants to get 6 pink pearls. He only can take from ends. The price of pink pearl is 200 rupees per pearl and white pearl price is 500 rupees per pearl. He has to pay for the white pearl if he takes off. At least how much he have to pay for 6 pink pearls?

- a) 4200
- b) 6200
- c) 5200
- d) 5500



International Markhor Junior Contest 2023

- 17. If the sum of five consecutive positive integers is 5555, then the sum of smallest and largest number is**
- a) 3344
 - b) 2222
 - c) 9999
 - d) 1000
- 18. The sum of 10 distinct positive number is 1000, then the largest number is**
- a) 999
 - b) 106
 - c) 105
 - d) 955
- 19. There are 5 wooden boxes. In each wooden box there are 3 iron box. Each iron box contain 10 small gold box. Each gold box contain 1 diamond. All wooden, iron and gold boxes are locked. If we need 100 diamonds how many locks we have to open?**
- a) 112
 - b) 102
 - c) 136
 - d) 114