

Markhor Junior Contest 2019

Beginner Level (Class I & II) 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. If Sally has 12 pencils and she gives 2 to her friend, how many pencils does Sally have left?
a) 10
b) 12
c) 14
d) 16
2. A basket contains 15 apples. If 3 apples are eaten, what fraction of apples are left?
a) $\frac{1}{2}$
b) $\frac{2}{3}$
c) $\frac{3}{4}$
d) $\frac{4}{5}$
3. A toy car costs \$8. If you pay with a \$10 bill, how much change will you get?
a) \$1
b) \$2
c) \$3
d) \$5

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4. If it takes 5 blocks to make a tower and you have 15 blocks, how many towers can you make?
- a) 2
 - b) 3**
 - c) 4
 - d) 5
5. If a bicycle travels 12 km in 2 hours, how many kilometers does it travel per hour?
- a) 4 km/h
 - b) 6 km/h**
 - c) 8 km/h
 - d) 10 km/h
6. 1. A water bottle can hold 1.5 liters of water. If 0.5 liters are already filled, what percentage is filled?
- a) 25%
 - b) 33%**
 - c) 50%
 - d) 66%
7. 1. What is the perimeter of a rectangle with a length of 8 cm and a width of 5 cm?
- a) 18 cm
 - b) 20 cm
 - c) 26 cm**
 - d) 30 cm

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8. I have no side, I have no corner, I am a 2D shape, Who am I ?
- a) Triangle
 - b) Circle
 - c) Square
 - d) Pentagon
9. What is the smallest prime number that is the sum of two distinct prime numbers?
- a) 2
 - b) 3
 - c) 5
 - d) 7
10. A train leaves Lahore at 8:00 AM traveling at 60 km/h. Another train leaves Karachi at 9:00 AM traveling at 80 km/h. If the distance between Lahore and Karachi is 1,200 km, at what time will the two trains meet?
- a) 5:50 pm
 - b) 5:08 am
 - c) 5:08pm
 - d) 5:50 am
11. What is the next number in the sequence: 2, 6, 12, 20, 30, ...?
- a) 36
 - b) 38
 - c) 40
 - d) 42

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- 12. If you multiply this number by any other number, the result will always be the same. What is the number?**
- a) 10
 - b) 12
 - c) 0**
 - d) 9
- 13. A number when divided by 2 gives the same result as when subtracted by 3. What is the number?**
- a) 8
 - b) 5
 - c) 6**
 - d) 4
- 14. What is the next number in the sequence: 1, 4, 9, 16, 25, ...?**
- a) 35
 - b) 36**
 - c) 40
 - d) 49
- 15. What is the next number in the sequence: 3, 6, 12, 24, 48, ...?**
- a) 50
 - b) 60
 - c) 96
 - d) 100**

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16. How many grams are there in half kilogram?

- a) 400g
- b) 250g
- c) 50g
- d) 500g

17. A coffee shop sells large and small cups of coffee in a certain proportion. For every 5 large cups sold, 8 small cups are sold. If 300 large cups were sold yesterday, how many small cups were sold?

- a) 450
- b) 480
- c) 1500
- d) 240

18. A bookshelf has fiction and non-fiction books in a certain ratio. For every 3 fiction books, 5 non-fiction books are added. If there are 210 fiction books, how many non-fiction books are there?

- a) 15
- b) 630
- c) 350
- d) 1050

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19. A school has students enrolled in morning and afternoon classes. For every 4 morning students, 5 afternoon students are enrolled. If 280 students attend morning classes, how many attend afternoon classes?

- a) 350**
- b) 400
- c) 450
- d) 500