



MCMC Fall 2025

Beginner - Speed

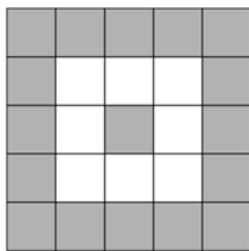
DO NOT BEGIN UNTIL YOU ARE INSTRUCTED TO DO SO

Rules and Code of Conduct

- This exam consists of 20 multiple-choice questions.
- Please note that the difficulty of questions increases as the test progresses.
- You will have 15 minutes to complete this exam. Once the exam begins, there will be no pauses in your time.
- No aids of any type are permitted for this exam other than the resources provided to you.
- An ample amount of scratch paper will be provided if you need more during the examination. Please raise your hand and remain seated. A proctor will bring you the extra paper.
- For the multiple-choice portion, we will be using a Scantron. Fill in your answers completely and ensure there are no stray marks.
- If you have any other questions at this time, please raise your hand. We will begin shortly. We wish you all good luck!



1. In the below diagram, here are fewer white squares than gray squares. How many fewer?



- (a) 2 (b) 4 (c) 5
(d) 8 (e) 9
2. What is $1 + 3 + 5 + 7 + 9$?
- (a) 23 (b) 26 (c) 21
(d) 41 (e) 25
3. Benny goes to school in a school bus which has a total of 22 seats. Each seat can hold up to 3 students. What is the maximum number of students my school bus can seat?
- (a) 22 (b) 33 (c) 44
(d) 66 (e) 88
4. In Benny's dad's office there are 3 kinds of pencils: red, blue, and green. Benny's dad has 10 of each pencil. How many total pencils does he have?
- (a) 10 (b) 40 (c) 20
(d) 30 (e) 50
5. If April 9th is a Friday, what is the date of the following Thursday?
- (a) April 8 (b) April 13 (c) April 15
(d) April 16 (e) April 17
6. The sum of the ages of Adian, Arian and Arial is 33. What will the sum of their ages be next year?
- (a) 99 (b) 76 (c) 36
(d) 55 (e) 30
7. To compute the cube of a number, we just have to multiply the number by itself three times (for instance the cube of 2 is $2 \times 2 \times 2$). What is the cube of 7?
- (a) 343 (b) 49 (c) 7
(d) 490 (e) 70

8. Sanjana has 4 numbers. They are 6, 7, 41, 67. What is the sum of the numbers Sanjana has?
- (a) 120 (b) 121 (c) 122
(d) 123 (e) 125
9. Count by 3's, Starting from 1. What is the 10th number in that sequence?
- (a) 20 (b) 22 (c) 26
(d) 28 (e) 30
10. Benny's dad's office has 15 rooms. Each room has 6 windows and 1 door. How many total windows and doors are there in Benny's dad's office?
- (a) 90 (b) 15 (c) 115
(d) 99 (e) 105
11. What is the result of (number of sides in a pentagon) - (number of sides in a triangle)?
- (a) 1 (b) 2 (c) 3
(d) 4 (e) 5
12. Benny is lost trying to find the lowest term. Can you help him? What is the result when $\frac{20}{80}$ is reduced to the lowest term?
- (a) $\frac{1}{4}$ (b) $\frac{1}{8}$ (c) $\frac{1}{2}$
(d) 1 (e) $\frac{1}{16}$
13. Benny has 4 numbers. They are 12, 16, 20, and 21. Benny needs to find out which one is odd. Can you help Benny by finding the odd number?
- (a) 12 (b) 16 (c) 20
(d) 21 (e) None of the Above
14. What is $(2025 - 2023) \times 5$?
- (a) 8 (b) 10 (c) 4
(d) 12 (e) 6
15. What number is halfway between 278 and 872?
- (a) 500 (b) 575 (c) 544
(d) 450 (e) 650

16. Average is defined as the sum of the numbers divided by the number of the numbers. Benny has 5 numbers. The numbers are 100, 102, 104, 106, 108. Can you help Benny out by finding the average of the numbers?
- (a) 100 (b) 102 (c) 104
(d) 106 (e) 108
17. Arnav has \$57.00. He earns \$17.00 more and spends \$12.00 on dinner and \$14.00 on a cab ride. How much money does Arnav have in the end?
- (a) \$24 (b) \$22 (c) \$21
(d) \$40 (e) \$48
18. Arnie is facing east. What direction will he be facing if he turns 90° clockwise and then anticlockwise 180° ?
- (a) East (b) West (c) North
(d) South (e) No where
19. Determine the missing number: $9 - (-? - (-1)) = 7$. Find the question mark.
- (a) 1 (b) -3 (c) -2
(d) 2 (e) -1
20. If $a * b = a - b$, what is $(5 * 4) + (6 * 7)$?
- (a) 2 (b) -1 (c) 2
(d) 1 (e) 0