



## MEGA MATH QUIZ 2025 - GRADE (7 & 8)

### DROP OUT ROUND/FIRST ROUND

TOTAL MARKS: 100

TIME DURATION: 30 MINUTES

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CLASS/GRADE: 1

CATEGORY: MEGA MATH

SCHOOL/INSTITUTION NAME: BEACONHOUSE SCHOOL SYSTEM

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### IMPORTANT INSTRUCTIONS FOR QUIZ

- This question paper contains 20 MCQS. Each question carries 5 marks.
- All questions are compulsory.
- 5 marks will be deducted for a wrong and unattempt question.
- Over writing is not allowed.
- Kindly circle ☐ only one correct answer.
- Use only blue pen/pencil to answer the question.
- Go through your question paper before submission.
- Don't open this questionnaire until you are instructed by your invigilator



1. **The multiplicative identity for any number is:**  
 a) 0                                      b) 1                                      c) -1                                      d) 10
2. **The additive identity for any number is:**  
 a) 1                                      b) -1                                      c) 0                                      d) 2
3. **The product of two negative integers is always:**  
 a) Negative                                      b) Positive                                      c) Zero                                      d) Undefined
4. **The sum of two odd numbers is always:**  
 a) Odd                                      b) Even                                      c) Zero                                      d) Prime
5. **The sum of two even numbers is always:**  
 a) Odd                                      b) Even                                      c) Prime                                      d) One
6. **The number which has only two factors, 1 and itself, is called:**  
 a) Composite number                                      b) Prime number                                      c) Whole number                                      d) Even number
7. **A number that is divisible by 2, 3, 5, and 10 is always:**  
 a) Odd                                      b) Even                                      c) Prime                                      d) Factor
8. **A fraction whose numerator is smaller than denominator is called:**  
 a) Improper fraction                                      b) Proper fraction                                      c) Mixed fraction                                      d) Unit fraction
9. **A fraction whose numerator is greater than denominator is called:**  
 a) Proper fraction                                      b) Improper fraction                                      c) Mixed fraction                                      d) Decimal fraction
10. **A fraction that has 1 as numerator is called:**  
 a) Improper fraction                                      b) Mixed fraction                                      c) Unit fraction                                      d) Proper fraction
11. **A polygon with all sides equal and all angles equal is called:**  
 a) Irregular polygon                                      b) Regular polygon                                      c) Quadrilateral                                      d) Triangle
12. **A triangle in which all three sides are different is called:**  
 a) Isosceles triangle                                      b) Equilateral triangle                                      c) Scalene triangle                                      d) Right triangle
13. **A triangle with one right angle is called:**  
 a) Isosceles                                      b) Equilateral                                      c) Right-angled triangle                                      d) Scalene
14. **The diagonals of a rectangle are always:**  
 a) Unequal                                      b) Equal and bisect each other                                      c) Perpendicular                                      d) Parallel
15. **A line segment joining the center of a circle to a point on its circumference is called:**  
 a) Diameter                                      b) Radius                                      c) Chord                                      d) Arc

16. A line segment passing through the center of the circle and touching two points on circumference is called:

- a) Chord                                      b) **Diameter**                                      c) Radius                                      d) Tangent

17. The sum of angles of a quadrilateral is always:

- a)  $180^\circ$                                       b)  $270^\circ$                                       c)  **$360^\circ$**                                       d)  $540^\circ$

18. The polygon with 5 sides is called:

- a) Hexagon                                      b) Quadrilateral                                      c) **Pentagon**                                      d) Octagon

19. The polygon with 8 sides is called:

- a) Hexagon                                      b) Pentagon                                      c) **Octagon**                                      d) Decagon

20. A solid shape with 1 curved surface and no edges is called:

- a) Cylinder                                      b) Cone                                      c) **Sphere**                                      d) Cube



**BEST OF LUCK**