



# Myfuture CBC Revision

## Mathematics - Grade 7

### Question Paper

1. What is the decimal representation of three tens and seven hundredths?

- A. 3.07
- B. 30.7
- C. 30.07
- D. 0.37

2. Which one is a factor of 91?

- A. 13
- B. 2
- C. 3
- D. 8

3. Which pairs of factors below are of 46?

- A. 2,23
- B. 23,1
- C. 46,2
- D. 1,23

4. Solve  $(8+56-24.2)\div 2$ .

- A. 19.9
- B. 1.99
- C. 199
- D. 0.199

5. Which factors are of 42?

- A. 16
- B. 4
- C. 8
- D. 1

6. The hypotenuse of a right triangle is 6 cm. Its area is 9 cm<sup>2</sup>. Find its sides.

- A. each side is 32 cm
- B. 3cm,2cm
- C. 9cm,3cm
- D. 3cm,4cm

7. If you have a rope that is  $\frac{5}{6}$  feet long and you cut off  $\frac{2}{3}$  of it, how long is the remaining rope?

- A.  $\frac{1}{6}$  feet
- B.  $\frac{2}{3}$  feet
- C.  $\frac{3}{4}$  feet
- D.  $\frac{1}{3}$  feet

8. Convert 10800 seconds into hours.

- A. 3 hours.
- B. 30 hours.
- C. 6 hours
- D. 60 hours

9. Solve  $3c-9=-15$

- A.  $c=-4$
- B.  $c=3$
- C.  $c=-2$
- D.  $c=4$

10. What is the predecessor of 105?

- A. 107
- B. 104
- C. 103
- D. 106

11. What type of angles are formed when two lines intersect?

- A. Right angles
- B. Vertical angles
- C. Acute angles
- D. Obtuse angles

12. What is the area of a parallelogram with a base of 5.6 km and a height of 2.3 km?

- A. 7.9 square km
- B. 31.36 square km
- C. 12.88 square km
- D. 12.88

13. What are the prime factors of 30?

- A. 10, 3
- B. 3, 30
- C. 3, 2, 5
- D. 1, 2, 3, 5, 6, 15, 30

14. Joan took 5 minutes 24 seconds to walk from the classroom to the school gate. How much time did she take in seconds?

- A. 300
- B. 4440
- C. 324
- D. 444

15. Which expression is equivalent to  $2x(3x - 5)$ ?

- A.  $3x^2 - 5$
- B.  $6x^2 - 10x$
- C.  $6x^2 - 5$
- D.  $6x - 5$

16. What is the place value of the digit 2 in the answer to 8040 multiplied by 5?

- A. Hundreds
- B. Ones
- C. Thousands
- D. Tens

17. Arranging the numerical figures in ascending or descending order is called \_\_\_\_\_

- A. Pictograph
- B. Data
- C. table
- D. Array

18. What is the standard unit of length in the Metric system?

- A. Liters
- B. Meters
- C. Kilograms
- D. Inches

19. Do I flip the sign?  $-6 \times 36$

- A. Open Circle
- B. Closed Circle
- C. Yes
- D. No

20. Which of the following is greater: 0.79 or 0.891?

- A. They are equal
- B. 0.891
- C. 0.79
- D. Cannot be determined

21. What is the square root of 81?

- A. 10
- B. 8
- C. 9
- D. 11

22. Which one is not a composite number?

- A. 41
- B. 64
- C. 120
- D. 12

23. What is the sum of the total values of the digits in the hundreds and ten thousands positions in the number 693582?

- A. 93582
- B. 95000
- C. 90500
- D. 10100

24. Convert 10 m/s to km/h.

- A. 10 km/h
- B. 180 km/h
- C. 36 km/h
- D. 72 km/h

25. If a sphere has a volume of  $36\pi \text{ cm}^3$ , what is the radius of the sphere?

- A. 6cm
- B. 3cm
- C. 2cm
- D. 4cm

26. An algebraic expression has an equals sign.

- A. False
- B. Sometimes
- C. True
- D. Maybe

27. At midnight, the temperature was 30 degrees. By 6:00 a.m, it had dropped 5 degrees, and by noon, it had increased by 11 degrees. What was the temperature at noon?

- A. 36 degrees
- B. 39 degrees
- C. 16 degrees
- D. 27 degrees

28. Which form is used to solve a system of two linear equations?

- A. Substitution method
- B. Slope-intercept form
- C. Standard form
- D. Point-slope form

29. Chali bought a mattress for sh800. He later sold the mattress for sh1000. Calculate the profit he made.

- A. sh1200
- B. sh200
- C. sh1800
- D. sh600

30. The median of the data : 3, 4, 5, 6, 7, 3, 4 is.....

- A. 7
- B. 3
- C. 4
- D. 5

31. What is the square root of 484?

- A. 23
- B. 25
- C. 24
- D. 22

32. In the number 3078642, the total value of digit 7 is added to the total value of digit 4. Which one of the following is the correct answer?

- A. 700004
- B. 740
- C. 7040
- D. 70040

33. What is the SI unit of distance?

- A. Kilometers
- B. Inches
- C. Miles
- D. Meters

34. Work out:  $6.24 \div 1.04$

- A. 6
- B. 60
- C. 0.6
- D. 0.06

35. The sum of two consecutive odd numbers is 104. What are the numbers?

- A. 101,103
- B. 63,41
- C. 51,53
- D. 52,50

36. Solve the inequality.  
 $30 + n < 50$

- A.  $x > 80$
- B.  $x < 20$
- C.  $x < 30$
- D.  $x > 50$

37. Chali bought a mattress for sh800. She later sold the mattress for sh1000. Calculate the percentage profit she made.

- A. 40%
- B. 25%
- C. 60%
- D. 20%

38. Write the inequality:  
There are fewer than 20 days left in October.

- A.  $x > 20$
- B.  $x \geq 20$
- C.  $x < 20$
- D.  $x \leq 20$

39. The perimeter of a right triangle is equal to 30 cm. The length of one of its sides is 10 cm. Find its hypotenuse.

- A. 3cm
- B. 12cm
- C. 12.5cm
- D. 15cm

40. Which is larger - a millimeter or a centimeter?

- A. Centimeter
- B. They are equal
- C. Millimeter
- D. Cannot be determined

41. Mutiso paid sh.330 for an item after the shopkeeper gave him a 12% discount. What was the marked price of the radio?

- A. sh 350
- B. sh 300
- C. sh 369.60
- D. sh 375

42. Work out the square of 48.

- A. 96
- B. 192
- C. 2500
- D. 2304

43. How is liquid volume measured?

- A. Inches.
- B. Grams.
- C. Liters.
- D. Minutes.

44. Which of the following is true about parallel lines in a linear equation?

- A. They have the same slope
- B. They intersect at one point
- C. They have different y-intercepts
- D. They are perpendicular to each other

45. Which of the following is equivalent to 0.25?

- A. 2.5
- B. 0.25
- C. 0.025
- D. 0.0025

46. A school measures 25 m by 25 m. Calculate the area of the hall.

- A.  $625 \text{ m}^2$
- B. 625 m
- C. 125 m
- D. 625

47. How many HM are in 1 M?

- A. 0.1
- B. 100
- C. 10
- D. 0.01

48. What is 30894 rounded off to the nearest ten?

- A. 30900
- B. 30000
- C. 31000
- D. 30890

49. How long does it take to travel a distance of 672km at a speed of 96km/h?

- A. 60minutes
- B. 360minutes
- C. 7minutes
- D. 7hours

50. Which construction involves copying an angle from one location to another?

- A. Copying an angle
- B. Constructing a parallel line
- C. Bisecting an angle
- D. Constructing a perpendicular bisector

