Myfuture CBC Revision

Mathematics - GRADE 9

Question Paper

1. What is the volume of a rectangular prism with dimensions 4cm x 3cm x 5cm?

A. 60cmÂ³

B. 90cmÂ³

C. 30cmÂ³

D. 7cmÂ³

2. If the odds in favor of an event are 3:7, what is the probability of the event happening?

A. 5/10

B. 4/10

C. 3/10

D. 6/10

3. The probability of getting a number greater than 2 on throwing a die once is....

A. 1/3

B. 2/3

C. 4/5

D. 1

4. The number of triangles in a polygon is?

A. n

B. 3

C. 2-n

D. n-2

5. If you have 5 ten-shilling coins, how much money do you have in total?

A. 100 Ksh

B. 10 Ksh

C. 50 Ksh

D. 25 Ksh

6. The space inside an object is called it's.....

A. volume

B. area

C. circumference

D. perimeter

7. What is the shape of a soccer ball?

A. Sphere

B. Cone

C. Cube

D. Cylinder

8. Which number is a perfect square?

A. 102

B. 68

C. 81

D. 93

9. Nyakundi sold a radio for sh 7200 making 20% profit .For how much had he bought the radio?

A. sh 6000

B. sh 55000

C. sh 5000

D. sh 3000

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

A. Centimeter

B. Cannot be determined

C. They are equal

D. Millimeter

11. Form an algebraic expression from the statement below.
q added to twice p.

A. 2q + p

B. 2pq

C. q +2p

D. 3pq

12. What is the sum of 1/3 and 2/3?

A. 4/6

B. 1/2

C. 2/6

D. 3/3

13. The hypotenuse is always.....

A. The right angle side

B. The longest side

C. On the outside

D. The shortest side

14. What is the probability of selecting a multiple of 3 on a single roll of a fair six-sided dice?

A. 1/2

B. 1/3

C. 2/3

D. 1/6

15. Which of the following is a perfect square?

A. 120

B. 75

C. 99

D. 144

16. What is the formula for finding the area of a circle?

A. A) Ï€r

B. D) 2Ï€r^2

C. C) Ï€r^2

D. B) 2Ï€r

17. What is the correct way to construct an equilateral triangle without measuring angles?

A. Use a compass to draw random arcs

B. Construct three congruent line segments

C. Construct the sides randomly

D. Draw dots randomly

18. Which of the following is a composite integer?

A. 7

B. 9

C. 12

D. 3

19. What is the cube of 7?

A. 343

B. 98

C. 49

D. 21

20. Reduce the following fraction:
36/44

A. 4/11

B. 9/11

C. 17/23

D. 18/22

21. What is the value of log base 10 of 1000?

A. 3

B. 1

C. 2

D. 4

22. What unit is commonly used to measure area in Kenya?

A. C) Acres

B. B) Square centimeters

C. D) Hectares

D. A) Metres

23. Solve -3c+8=-4

A. c=4

B. c=-4

C. c=0

D. c=8

24. Solve -3z+2=5

A. z=1

B. z=-5

C. z=-1

D. z=5

25. Which one is a factor of 91?

A. 13

B. 2

C. 3

D. 8

26. Solve the following equation.
2/3k - 4 = 14

A. k=108

B. k=13

C. k=27

D. k=56

27. Find the next number in the pattern. 2,3,5,7,-

A. 8

B. 9

C. 13

D. 11

28. If a scale drawing of a park has a scale factor of 1:500, and a bench in the park is 2.5 cm long in the drawing, how long is the actual bench?

A. 1.25 m

B. 250 cm

C. 5 m

D. 25 cm

29. In a right triangle, two sides are equal. The longest side is 72 cm, find the remaining sides

A. 14cm

B. 10.5cm

C. 21cm

D. 7cm

30. How many litres makes 2 cubic centimetres?

A. 0.002

B. 0.2

C. 0.02

D. 2000

31. How many cubic centimetres are in 1 litres?

A. 0.001

B. 10

C. 100

D. 1000

32. What is the result of 10 squared?

A. 110

B. 120

C. 100

D. 90

33. Which of the following numbers is a perfect square?

A. 36

B. 52

C. 44

D. 61

34. Add 8m 76 cm to 9m 34 cm.

A. 17 m 10 cm

B. 18m 10cm

C. 17m 110 cm

D. 117m 10 cm

35. What is the smallest positive integer?

A. 2

B. 0

C. -1

D. 1

36. What is the cube root of 64?

A. 8

B. 16

C. 4

D. 6

37. What is the cube root of 3375?

A. 17

B. 15

C. 13

D. 19

38. If point G(-4, 5) is rotated 90 degrees clockwise about the origin, what are the new coordinates?

A. (-5, 4)

B. (4, 5)

C. (5, -4)

D. (-5, -4)

39. If you randomly select a month from the year, what is the probability of selecting a month with 30 days?

A. 1/12

B. 1/3

C. 1/4

D. 1/2

40. Find the solution for
23.734 + 10.348

A. 34.82

B. 34.082

C. 13.386

D. 33.072

41. Form an algebraic expression from the statement below.
Twice y added to b and the result multiplied by 7.

A. (2y + b)× 7

B. 2 +y + b × 7

C. 2y + b × 7

D. (2 +y + b)× 7

42. What is the square of 9?

A. 72

B. 48

C. 64

D. 81

43. Which of the following is a solution to the linear equation y = 2x + 3?

A. (2, 4)

B. (4, 11)

C. (1, 2)

D. (3, 9)

44. Solve 2y-9=-19

A. y=4

B. y=-5

C. y=5

D. y=19

45. Solve -3u+6=-9

A. u=5

B. u=15

C. u=10

D. u=-5

46. Which of the following is a multiple of 4?

A. -12

B. 8

C. 10

D. 9

47. Which geometrical construction is used to construct an angle equal to a given angle?

A. Drawing a Perpendicular Line

B. Bisecting an Angle

C. Constructing a Parallel Line

D. Making a Circle

48. Form an algebraic expression from the statement below.
6 more than a

A. 6a

B. a + 6

C. 6

D. a

49. How much is 15 Bob in terms of shillings?

A. 1.5 Ksh

B. 150 Ksh

C. 15 Ksh

D. 0.15 Ksh

50. What is the cube root of 27?

A. 2

B. 3

C. 5

D. 4