



Myfuture CBC Revision

Mathematics - Grade 7

Question Paper

1. Solve $-2v-7=-23$

- A. $v=4$
- B. $v=8$
- C. $v=-8$
- D. $v=-4$

2. Kantai bought 200 chicken whose average weight was 1.5 kg .The buying price per kilogram was sh 150.He then sold each chicken for sh 250. What percentage profit did he make?

- A. 231%
- B. 1111%
- C. 2165%
- D. 11.1%

3. What is the area of a parallelogram with a base of 12.5 meters and a height of 2.5 meters?

- A. 50 square meters
- B. 31.25
- C. 15 square meters
- D. 31.25 square meters

4. Which tool is used for constructing a regular hexagon?

- A. Compass
- B. Set square
- C. Ruler
- D. Protractor

5. Solve $3z+8=-7$

- A. $z=-5$
- B. $z=-1$
- C. $z=-7$
- D. $z=-9$

6. The marked price of a shirt was sh2000.Kagwe bought it at sh1500.What was the discount?

- A. sh250
- B. sh500
- C. sh400
- D. sh3500

7. What is the difference between $\frac{4}{5}$ and $\frac{1}{2}$?

- A. $\frac{1}{3}$
- B. $\frac{2}{5}$
- C. $\frac{3}{10}$
- D. $\frac{1}{2}$

8. How many terms are in the expression?

$$3x + 7 + p - 12$$

- A. 4
- B. 7
- C. 3
- D. 12

9. Which is shorter - a kilometer or a mile?

- A. Cannot be determined
- B. Kilometer
- C. They are equal
- D. Mile

10. Convert 24 mm = _____m

- A. 0.00024
- B. 0.024
- C. 2.4
- D. 0.24

11. Which of the following is a statistical representation of the relationship between variables?

- A. Standard deviation
- B. Mode
- C. Correlation coefficient
- D. Probability

12. Which would hold about 500 liters of water?

- A. Water Bottle
- B. Ocean
- C. Cereal bowl
- D. Fish Tank

13. Which of the following can be used to make a right angle triangle?

- A. 5cm,7cm and 9cm
- B. 3cm,5cm and 4cm
- C. 9cm,10cm and 19cm
- D. 11cm,12cm and 17cm

14. Solve $3b+9=-18$

- A. $b=-9$
- B. $b=6$
- C. $b=9$
- D. $b=-1\9$

15. Solve $2b-2=22$

- A. $b=10$
- B. $b=+10$
- C. $b=12$
- D. $b=6$

16. A truck travelled a distance of 15 km in 3 hours. What was the speed of the truck?

- A. 50 km/h
- B. 5 km/h
- C. 45 km/s
- D. 45km/h

17. Calculate the area of a square whose two sides are $(3x + 5)$ cm and $(2x + 9)$ cm.

- A. $6x + 45$
- B. $(2x + 9)\text{cm}\times(3x + 5)\text{cm}$
- C. 289 cm^2
- D. I don't know

18. Simplify the expression $4x - 3(2x - 5)$

- A. $4x - 6x + 15$
- B. $2x - 15$
- C. $10x - 15$
- D. $2x + 15$

19. Which of the following is an odd whole number?

- A. 10
- B. 6
- C. 12
- D. 15

20. Simplify.
 $3(4x + 4y) + 2(3x - 4y)$

- A. $18x - 0y$
- B. $18x$
- C. $12x + 6x + 12y - 8y$
- D. $18x + 4y$

21. What should be done to construct a parallel line to a given line at a point not on the line?

- A. Measure an angle
- B. Create a perpendicular bisector
- C. Use a protractor
- D. Use a ruler and compass

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

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

23. Solve $3v+1=22$

- A. $v=7$
- B. $v=17$
- C. $v=77$
- D. $v=-7$

24. A shopkeeper bought 5 trays of eggs at sh 120 per tray ten eggs broke and she sold the rest at sh 6 per egg .if tray hold 30egg . what percentage profit did he make?

- A. 40%
- B. 29%
- C. 39%
- D. 90

25. Use an equality symbol to represent the following statement.

12 7

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

26. Which of the following is NOT a unit of time?

- A. Kilometer
- B. Second
- C. Minute
- D. Hour

27. What is the Pythagorean relationship between the sides a, b, and c of a right-angled triangle?

- A. $a \cdot b = c$
- B. $a^2 - b^2 = c^2$
- C. $a^2 + b^2 = c^2$
- D. $a + b = c$

28. Which of the following is a factor of 60?

- A. 11
- B. 15
- C. 25
- D. 20

29. What is the square of 12?

- A. 128
- B. 144
- C. 162
- D. 156

30. Find the product of 6m 9dm 7cm and 7.

- A. 48m 7dm 9cm
- B. 48m 3dm 49cm
- C. 42m 7dm 9cm
- D. 42m 63dm 49cm

31. Use the Pythagorean Theorem to find the value of the hypotenuse. $a=3\text{cm}$ $b=4\text{cm}$.

- A. 6cm
- B. 2cm
- C. 5cm
- D. 7cm

32. What is the total value of digit 4 in the number 26.4625?

- A. 4
- B. 0.4
- C. ones
- D. 4.0

33. Convert 36000 square metre into Ha.

- A. 36ha
- B. 360ha
- C. 36000000ha
- D. 3.6Ha

34. Solve $\frac{5}{7} + \frac{1}{28} =$

- A. 1
- B. $\frac{12}{196}$
- C. $\frac{6}{35}$
- D. $\frac{21}{28}$

35. What is the square of 15?

- A. 205
- B. 225
- C. 245
- D. 265

36. Solve the equation below.

$$\frac{5}{8}m + 8 - \frac{1}{4}m = 35$$

- A. $m=18$
- B. $m=72$
- C. $m=36$
- D. $m=144$

37. Which number is divisible by 3?

- A. 785
- B. 2572312
- C. 329
- D. 312

38. Which of the following is the smallest whole number?

- A. 5
- B. 0
- C. 10
- D. 1

39. A train travels 300 km in 5 hours. What is its speed?

- A. 75 km/h
- B. 70 km/h
- C. 50 km/h
- D. 60 km/h

40. What is the square root of 576?

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

41. Leena bought 22 boxes of crayons for \$28.16. How much did she pay for each box of crayons?

- A. \$6.16
- B. \$12.80
- C. \$1.28
- D. \$0.13

42. What is the place value of digit 7 in the number 3470268? A. B. s C. D.

- A. Thousands
- B. Hundred thousands
- C. Ten thousand
- D. Seventy thousands

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

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

44. What is the name for side c?

- A. body
- B. hypotenuse
- C. head
- D. hippopotamus

45. How many groups of tens would represent the value of the digit 4 in the number 14752?

- A. 400
- B. 40
- C. 4
- D. 4000

46. In this term, $3abc$, what are the variables?

- A. 3
- B. 3 and 2
- C. a, b, and c
- D. 2

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

- A. 17m 110 cm
- B. 18m 10cm
- C. 17 m 10 cm
- D. 117m 10 cm

48. Convert 12 minutes into seconds.

- A. 720
- B. 0.5
- C. 960
- D. 640

49. A car travel a distance of 540km in 6 hours . What speed did it travel at?

- A. 540km/h
- B. 540km
- C. 0.9km/h
- D. 90km/h

50. Which of the following units is commonly used to measure small areas of land in Kenya?

- A. D) Square meters
- B. B) Kilometers
- C. A) Hectares
- D. C) Acres

