Myfuture CBC Revision

Mathematics - Grade 7

Question Paper

1. How many millimeters are in a centimeter?

A. 1 mm

B. 1000 mm

C. 10 mm

D. 100 mm

2. Solve 3u-(-10)=-2

A. u=-2

B. u=-6

C. u=-4

D. u=-7

3. In this equation, 4a - 10 = 9a, which is the constant?

A. 4a and 9a

B. -10

C. 4, 9, and -10

D. 4 and 9

4. What is the tool used in constructing perpendicular bisector of a line segment?

A. Protractor

B. Micrometer

C. Ruler

D. Compass

5. 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. 16 degrees

C. 39 degrees

D. 27 degrees

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

A. 30cmÂ³

B. 7cmÂ³

C. 90cmÂ³

D. 60cmÂ³

7. What is the formula to calculate distance?

A. Time x Speed

B. Speed + Time

C. Speed / Time

D. Speed x Time

8. If a shopkeeper sells a shirt for sh 450, he makes a 10% loss. find how much he should sell the shirt to make a 20% profit

A. sh 680

B. sh 580

C. sh 600

D. sh 255

9. Solve -2a-8=-4

A. a=22

B. a=32

C. a=-2

D. a=2

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

A. They are perpendicular to each other

B. They have the same slope

C. They have different y-intercepts

D. They intersect at one point

11. Solve x/4 = 2

A. 1/2

B. 2

C. 8

D. 6

12. The square root of 1.96 is_____

A. 1.2

B. 0.12

C. 0.14

D. 1.4

13. A mathematical lesson took 2/3 hours.How long did the lesson take in minutes?

A. 40

B. 33

C. 120

D. 30

14. The width of a rectangle is y cm and the length is 5cm more than the width.What is the perimeter of the rectangle?

A. 10 + 2y cm

B. 5y cm

C. 5 + y cm

D. 4y + 10 cm

15. What is 3/6 simplified to its lowest terms?

A. 2/6

B. 4/6

C. 1/2

D. 3/6

16. Solve 2y-9=-19

A. y=4

B. y=5

C. y=-5

D. y=19

17. Perfect grades in mathematics!

A. Yes, I enjoy decimals!

B. Awesome work! Keep it up!

C. Great! I love math!

D. I am struggling

18. Let: x= -3 y= 4 z= -5
Evaluate: 2y - 5x

A. 15

B. 13

C. 23

D. 27

19. At Kentucky Fried Chicken, the kitchen staff baked 96 chicken legs and 144 thighs. The staff had to prepare platters for an office lunch. If each platter will have the same number of legs and thighs, what is the greatest number of platters they can make?

A. 4

B. 16

C. 2

D. 48

20. The distance between two city is 144km,it takes me 3 hours to travel between These Cities .What speed did I travel at? .

A. 48km/h

B. 4.8 km/h

C. 480km/h

D. 0.48km/h

21. What decimal represents the fraction 7/8?

A. 0.725

B. 0.0875

C. 0.875

D. 0.075

22. What is the sum of 5 meters and 2 meters?

A. 9 meters

B. 7 meters

C. 6 meters

D. 8 meters

23. How many dm are in 1 m?

A. 100

B. 0.01

C. 10

D. 0.1

24. A car travels 200 miles in 3 hours and 20 minutes. Calculate the average speed of the car in mph.

A. 66 mph

B. 60 mph

C. 54 mph

D. 48 mph

25. Solve 3c-4=23

A. c=-9

B. c=9

C. c=19

D. c=+8

26. What is the square root of 1.0?

A. 0.01

B. 0.1

C. 1

D. 0.0001

27. The area of a trapezoid is 88 cm2. The height is 8 cm and one of the bases is 7 cm. Find the measurement of the other base.

A. 15 cm

B. 30 cm

C. 10 cm

D. 7.5 cm

28. Which of the following is NOT a factor of 35?

A. 10

B. 7

C. 8

D. 5

29. If a car travels at a speed of 50 km/h, how long will it take to cover a distance of 200 kilometers?

A. 3 hours

B. 2 hours

C. 4 hours

D. 5 hours

30. What is the square of 25?

A. 625

B. 675

C. 700

D. 650

31. What is the area of a square whose side is 60m?

A. 3600 square metres

B. 240 square metre

C. 3600 m

D. 240 m

32. Callum writes down his jog time for each day.
Mon -15min. Tue -10min. Wed-12min
Thu. 5min. Fri- No jog
He jogs at a constant speed of 9km/h. work out the distance he jog each day.On which day did he jog the furthest?

A. Mon- 0.75km Tue- 1.8km Wed- 2.25km Thu- 1.5km.He travelled furthest on Wednesday.

B. Mon- 1.8km Tue- 0.75km Wed- 1.5km Thu-2.25km.He travelled furthest on Thursday.

C. Mon-2.25km Tue- 1.5km Wed- 1.8km Thu- 0.75km.He travelled furthest on Monday.

D. Mon- 1.5km Tue- 2.25km Wed- 1.8km Thu- 0.75km He travelled furthest on Tuesday.

33. The temperature was 52°F. Later that day the temperature was 65°F. How many degrees does the temperature need to rise or fall to return to the original temperature of 52°F?

A. Rise 13 degrees

B. Fall 13 degrees

C. Fall 52 degrees

D. Fall 15 degrees

34. What is the square of 1.24?

A. 1537.6

B. 1537600

C. 15.376

D. 1.5376

35. What are the prime factors of 30?

A. 3, 2, 5

B. 3, 30

C. 10, 3

D. 1, 2, 3, 5, 6, 15, 30

36. Solve 2x-(-4)=0

A. x=4

B. x=1

C. x=5

D. x=2

37. A plane flies at a speed of 800 km/h. How long will it take to cover a distance of 1600 kilometers?

A. 3 hours

B. 1 hour

C. 2 hours

D. 4 hours

38. What is the total value of digit 4 in the number 0.27964?

A. Hundreds of thousands

B. 0.004

C. Millionths

D. 0.00004

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

A. They are equal

B. Millimeter

C. Cannot be determined

D. Centimeter

40. A shopkeeper bought a shirt for sh 300 .he then sold it for sh.360 after giving a discount of 10% . what percentage profit would he have made if no discount was given?

A. 44%

B. 33.3%

C. 20%

D. 44

41. Solve 2v+7=19

A. v=6

B. v=-6

C. v=7

D. v=16

42. What is the freezing point of water in degrees Celsius?

A. 30Â°C

B. 20Â°C

C. 0Â°C

D. 10Â°C

43. In between what two integers is the square root of 44?

A. 6 and 7

B. 4 and 5

C. 3 and 4

D. 5 and 6

44. Which of the following shapes has a volume formula that includes the base area?

A. Cone

B. Cube

C. Cylinder

D. Sphere

45. Solve 3b+9=-18

A. b=-1\9

B. b=-9

C. b=9

D. b=6

46. A car travels at a speed of 100 km/h. How far can it travel in 2 hours?

A. 250 km

B. 200 km

C. 150 km

D. 300 km

47. Gabriel bought a car for sh800.He later sold it for sh 650.Did he make a loss or a profit and by how much?

A. loss of sh 150

B. profit of sh 150

C. loss of sh 250

D. profit of sh 250

48. What is the main purpose of constructing an inscribed circle in a triangle?

A. To find the circumcenter

B. To create a tangent to the sides

C. To divide the triangle into equal parts

D. To find the incenter

49. A fruit vendor spent sh 160 to buy 28banana ,60 banana and 14 orange he paid 40 for transport .During transportation,9 tomatoes and 1 banana got spoilt. He then sold the remaining fruits as follows: 1 banana for sh 3 3 tomatoes for sh 5 1 orange for sh 6 what was the percentage profit ?

A. 245%

B. 22%

C. 11.1%

D. 111%

50. Solve : (16.5÷2)+8.

A. 32.5

B. 16.25

C. 15.25

D. 24.8