

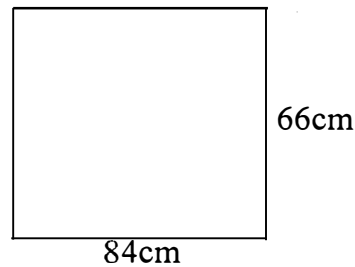
STD. 6 - END OF TERM 1 - YEAR 2020

MATHEMATICS

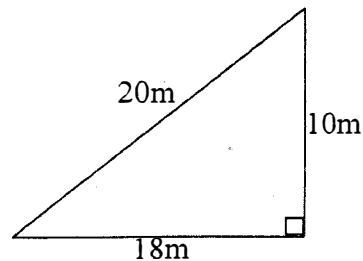
Time: 2hrs

- Write 350 050 in words
A. Three hundred and fifty thousand and fifty
B. Three five thousand and fifty
C. Three hundred and fifty thousand and five
D. Thirty five thousand and fifty
- Round off the sum of 896321 and 147899 to the nearest thousands
A. 1044000 B. 1044200
C. 1045000 D. 1040000
- Find the product of the LCM and GCD of 12, 15 and 24
A. 120 B. 180
C. 90 D. 360
- A square table mat has an area of 676m^2 . What is its length?
A. 24m B. 18m
C. 26m D. 30m
- Which of the following numbers is divisible by 8?
A. 9684 B. 63512
C. 71690 D. 32980
- What is the next number in the following sequence? 4, 12, 20, 28, _____
A. 49 B. 58
C. 50 D. 36
- Work out
 $9\frac{1}{4} + 4\frac{3}{8} =$
A. $13\frac{1}{4}$ B. $13\frac{3}{4}$
C. $13\frac{5}{8}$ D. $13\frac{1}{8}$
- Work out
 $(7\frac{2}{3})^2$
A. $14\frac{4}{9}$ B. $49\frac{4}{9}$
C. $54\frac{7}{9}$ D. $58\frac{7}{9}$

- What is the place value of digit 3 in the number 14.623?
A. Thousandths B. Ones
C. Tenths D. Hundredths
- Find twice the perimeter of the figure below



- What is the reciprocal of $6\frac{3}{7}$?
A. $\frac{45}{7}$ B. $\frac{63}{7}$
C. $\frac{7}{63}$ D. $\frac{7}{45}$
- A certain town has 848740 people. Women and children are 512762. How many men are there in that town?
A. 335978 B. 336088
C. 336978 D. 335088
- Express 0.36 as a percentage
A. 360% B. 36%
C. 3.6% D. 3600%
- Find the area of the following triangle



- What is the area of the triangle?
A. 180m^2 B. 100m^2
C. 200m^2 D. 90m^2

15. Find the difference between 8700212 and 7458356

- A. 1241856 B. 16158568
C. 1342856 D. 1352856

16. **Work out**

$$8\frac{2}{5} - 3\frac{1}{8} =$$

- A. $5\frac{1}{3}$ B. $5\frac{1}{8}$
C. $5\frac{11}{40}$ D. $5\frac{1}{40}$

17. **Work out**

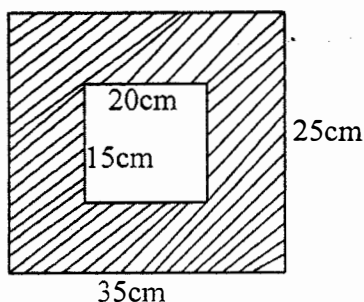
$$\sqrt{3\frac{1}{16}}$$

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

18. Arrange $\frac{3}{4}, \frac{2}{3}, \frac{4}{5}, \frac{7}{9}$ from the largest to the smallest

- A. $\frac{7}{9}, \frac{4}{5}, \frac{3}{4}, \frac{2}{3}$ B. $\frac{4}{5}, \frac{7}{9}, \frac{3}{4}, \frac{2}{3}$
C. $\frac{4}{5}, \frac{7}{9}, \frac{2}{3}, \frac{3}{4}$ D. $\frac{3}{4}, \frac{2}{3}, \frac{7}{9}, \frac{4}{5}$

19. What is the area of the shaded part in the figure below?



- A. 300cm^2 B. 150cm^2
C. 275cm^2 D. 575cm^2

20. Round off 120.867 to two decimal places

- A. 120.86 B. 120.67
C. 120.87 D. 120.76

21. Njane had 400 chickens 50 of them died. What percentage of the chicken remained?

- A. $12\frac{1}{2}\%$ B. $87\frac{1}{2}\%$
C. 8% D. 92%

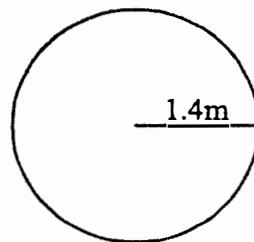
22. **Work out**

$$3\frac{1}{3} \div \frac{3}{5} =$$

- A. $5\frac{5}{9}$ B. 2
C. $2\frac{11}{15}$ D. $3\frac{14}{15}$

23. Find the circumference of the circle

below $\left(\pi = \frac{22}{7}\right)$

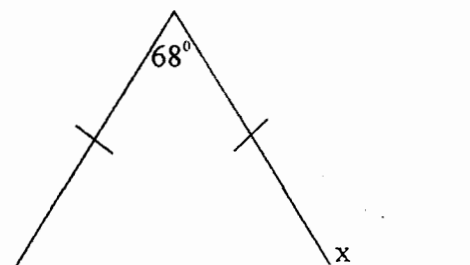


- A. 4.4m B. 8.8m^2
C. 8.8m D. 2.8m

24. $\frac{3}{8}$ of a class of 40 pupils are girl. How many boys are in the class?

- A. 15 B. 25
C. 20 D. 30

25. What is the measure of the angle marked x



- A. 22° B. 68°
C. 124° D. 112°

26. Susana bought the following items from a shop

2 packets of unga @ sh 142

$1\frac{1}{2}$ kg of rice at sh 88

2kg packet of sugar for sh 270

How much money did she pay for the items?

- A. sh 686 B. sh 500
C. sh 544 D. sh 642

27. The length of a road is 3km 40m. What is its length in metres?

- A. 340m B. 3400m
C. 3040m D. 30040m

28. Write 45 in Roman numerals

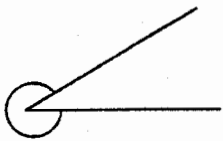
- A. XLV
- B. XLIV
- C. LIV
- D. LV

29. Work out

$$10 \times 6 \frac{3}{4}$$

- A. $60 \frac{3}{4}$
- B. 16
- C. $67 \frac{1}{2}$
- D. $66 \frac{1}{2}$

30. Name the type of angle shown below



- A. acute
- B. obtuse
- C. right
- D. reflex

31. John bought a bicycle for sh 4000 and later sold it for sh 5000. What was his percentage profit?

- A. 10%
- B. 20%
- C. 25%
- D. 30%

32. A worker carried a load 4kg 654g per trip. Calculate the total load he carried in fifteen trips?

- A. 60kg 981g
- B. 60kg 810g
- C. 69kg 810g
- D. 69kg 800g

33. Find the sum of the prime numbers between 60 and 70

- A. 130
- B. 325
- C. 197
- D. 128

34. Work out

$$120 + 0.08 + 12 =$$

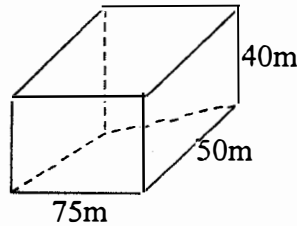
- A. 120.12
- B. 132.08
- C. 120.2
- D. 132.8

35. Simplify

$$y + 7y - 2y + 3y$$

- A. 6y
- B. 3y
- C. 9y
- D. 7y

36. The figure below represents a water tank. Find its volume.



- A. 150 000 m³
- B. 15000 m³
- C. 1500 m³
- D. 75000 m³

37. A family uses 3 litres 8dl of milk daily. How much milk in litres and decilitres did the family use in the month of March 2016?

- A. 89 litres 32dl
- B. 86 litres 24dl
- C. 106 litres 4 dl
- D. 117 litres 8 dl

38. The table below shows postal rates for parcels

weight	sh
upto 5kg	50
over 5kg upto 10kg	89
over 10kg upto 15kg	160
over 15kg upto 20kg	245

Jane posted two parcels weighing 10kg and 4kg respectively. How much did he pay for the postage?

- A. sh 139
- B. sh 245
- C. sh 210
- D. sh 249

39. A trader packed 37.5kg of sugar into 15 equal packets. What was the weight of each packet in kilograms?

- A. $2 \frac{1}{2}$ kg
- B. 2kg
- C. $1 \frac{1}{2}$ kg
- D. 25kg

40. What is the total value of digit 4 in the number 0.004?

- A. 0.04
- B. 4
- C. $\frac{4}{100}$
- D. $\frac{4}{1000}$

41. A meeting started at 9.15 am and ended at 1.10pm. How long did the meeting take?

- A. 3h 12min
- B. 10h 25min
- C. 3h 55 min
- D. 4h 5 min

42. Work out

$$0.015 \times 0.08$$

- A. 0.0012
- B. 0.12
- C. 0.012
- D. 120

43. A rectangular plot measures 64m by 25m.

Find its area in Ares

- A. 160
- B. 1600
- C. 16
- D. 1.6

44. Solve the equation $2a + 3 = 6$

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

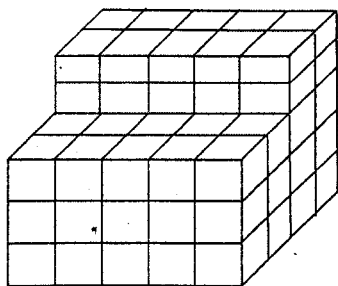
45. What is 15% of 800?

- A. 150
- B. 120
- C. 80
- D. 160

46. Change 14400 seconds into hours

- A. 240h
- B. 4h
- C. 120h
- D. 40h

47. How many small cubes are there in the stack below?

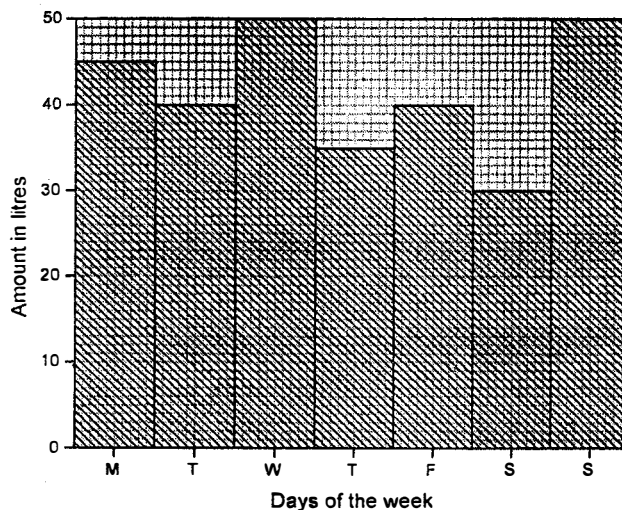


- A. 60
- B. 100
- C. 40
- D. 80

48. Given the scale 1 cm represents 20m what will be the drawing length for 150m?

- A. 7.5cm
- B. 6cm
- C. 4cm
- D. 8cm

The bar graph below shows the sale of milk in a certain dairy farm.



49. Find the total amount of milk sold during the week

- A. 150l
- B. 290l
- C. 300l
- D. 260l

50. If a litre of milk costs sh 68 how much did the farmer get that week from the sell of milk?

- A. sh 10200
- B. sh 20400
- C. sh 17680
- D. sh 19720.