**MAY-ASSIGNMENT**

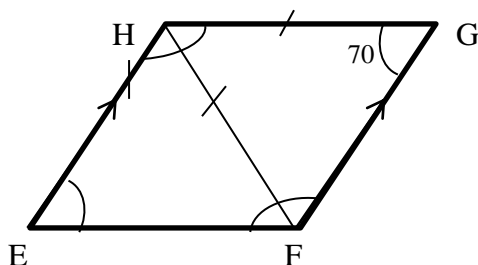# STD 7 MAY ASSIGNMENT 2020

MATHEMATICS

**Time: 2 hours**

1. Write in words 11010100.001
   A. Eleven million ten thousand and one hundred point zero zero one.
   B. Eleven million ten thousand and one hundred and one hundredths.
   C. Eleven million ten thousand and one hundred and one thousandths.
   D. Eleven million ten thousand and one hundred and ten hundredths.

2. Round off 431.3608 to the nearest hundredth.
   A. 431.361
   B. 431.36
   C. 431.37
   D. 431.4

3. What is the next number in the sequence?
   1.9, 2.3, 2.9, 3.1 _____
   A. 3.9
   B.3.9
   C. 3.3
   D. 3.7

4. What is 5899876 rounded off to the nearest thousand?
   A. 5890000
   B. 5900000
   C. 5899000
   D. 5899800

5. In the figure below EFGH below, lines EH and FG are parallel and EH = HF=HG. What is the size of angle <HEF.



   A.$55^0$
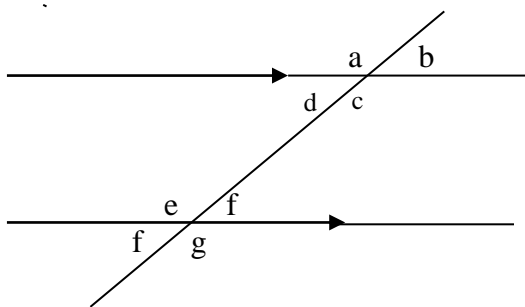   B. $40^0$
   C.$70^0$
   D. $110^0$

6. Mr. Kiundu sold milk in his kiosk from 14th January year 2004 to March 20th the same year. How many days did he sell milk?
   A. 67
   B. 66
   C. 68
   D. 52

7. Kalonzo bought the following:
   2½ kg of sugar @ sh. 260
   1¼ kg of rice @ sh. 80
   A 2kg tin of cooking fat at sh. 450
   4 eggs for sh. 15 per egg
   He paid using two-one thousand shilling notes. What balance did he get?
   A. sh. 760
   B. sh. 730
   C. sh. 1260
   D. sh. 740

8. What is the value of ; 2b(a+c)+ ac when; a=b=3 and c=2

   A. 21
   B. 30
   C. 36
   D. 66

9. Divide 45120 by 15
   A. 3008
   B. 380
   C. 308
   D. 38

10. What is the place value of digit 6 in the number.
    2649053?
    A. Millions
    B. Six hundred thousand
    C. Ten thousand
    D. Hundred thousand

11. A bus left Nairobi for Kisii Saturday at 12:10a.m. and reached after 10¼hrs. At what time did it arrive Kisii?
   A. 10:25a.m.
   B. 10:10a.m.
   C. 10:25p.m.
   D. 10:10p.m.

12. Increase 1200 goats by 120%
   A. 1440
   B. 240
   C. 2640
   D. 2460

13. What is the total value of digit 9 in the number 3690504
   A. 900000
   B. Tens of thousand
   C. Ninety thousand
   D. 9000

14. The area of a square plot of land is 1296m$^2$. Find the length of one side?
   A. 324m
   B. 44m
   C. 56m
   D. 36m

15. A school bus ferried 960 pupils to an environmental awareness meeting. If it carried 90 pupils per trip, how many trips did it make?
   A. 2 trips
   B. 10 trips
   C. 11 trips
   D. 9 trips

16. A river section 15km long is represented by a line 5cm. What is the scale used to draw the map?
   A. 1:3000 000
   B. 1:300 000
   C. 1: 300
   D. 1: 30000

17. The heights of 6 boys are 1.42m, 1.35m, 1.40m, 1.35m, 1.38m and 1.41m. What is the modal height?
   A. 8.32m
   B. 1.39m
   C. 1.35m
   D. 1.40m

18. Musa's home to school is a distance of 1km 405m. He goes to school daily. What distance does she cover in a week?
   A. 14km  50m
   B. 2km  810m
   C. 19km  670m
   D. 14km  5m

19. What is the difference between the LCM and GCD of 12, 18 and 36?
   A. 6
   B. 12
   C. 30
   D. 36

20. Salome's salary increased from sh. 4000 to sh. 5000. Calculate the percentage increase of her salary.
   A. 20%
   B. 40%
   C. 25%
   D. 10%

21. What is 12½%    expressed in fraction form:
   A. $^5/_{40}$
   B. $^{25}/_{200}$
   C. $^1/_8$
   D. $^{25}/_2$

**22.** Eunice bought a blouse for sh. 300 and later sold it making 20% profit. How much did he sell it?
   A. sh. 320
   B. sh. 240
   C. sh. 390
   D. sh. 360

**23.** The figure below shows angles formed by a pair of parallel lines and a transversal.



Which of the following is **true** about the angles?
   A. Angle **d** and angle **e** are corresponding angles.
   B. Angle **f** and angle **b** are alternate angles
   C. Angle **f** and angle **d** are co-interior angles
   D. Angle **g** = angle **c** = angle **e**

**24.** Work out $\frac{1}{3}$ of 15-3 x ¼ ÷3
   A. 4¾
   B. 2¼
   C. 3¾
   D. 2¾

**25.** The marked price of an article is sh. 1000. The shopkeeper sold it at sh. 800. What was the percentage discount given?
   A. sh. 200
   B. 20%
   C. 25%
   D. 10%

**26.** The volume of water in a pond is 4096 m$^3$.
   What is the amount of water litres?
   A. 40960000
   B. 4096000
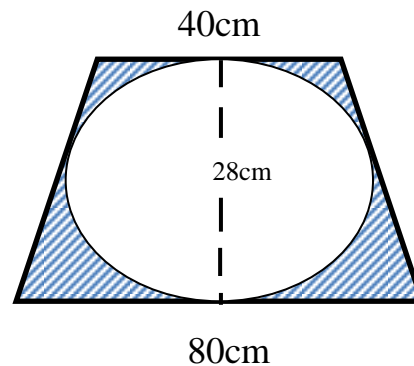   C. 409600
   D. 40960

**27.** Solve the following equation
   $4(m + ¼ ) + (2m +2) ½ = 12$
   A. 10
   B. 2
   C. 4
   D. 6

**28.** The diagram below shows a circle drawn inside a trapezium.
   Calculate the area of the shaded part.
   (Take $\pi = \frac{22}{7}$)



   A. 1680cm$^2$
   B. 616cm$^2$
   C. 1064cm$^2$
   D. 2296cm$^2$

29. The temperature of food is -35C. It was heated to $35^0$C. Calculate the rise in temperature.
A. $70^0$C
B. $0^0$C
C. $35^0$C
D. $-35^0$C

30. Simplify $6m - 8 > 3m - 2$
A. $m < 2$
B. $m > 2$
C. $m > 4$
D. $m < 4$

31. Calculate the surface area of a pipe whose radius is 3.5cm and a height of 10cm.
A. $385cm^2$
B. $1540cm^2$
C. $220cm^2$
D. $297cm^2$

32. The marked price of a TV set is sh. 4500. Mweru bought it on hire purchase terms by paying sh. 1500 as deposit and the rest in 8 monthly installments of sh 600 each. How much more was the hire purchase price than the marked price?
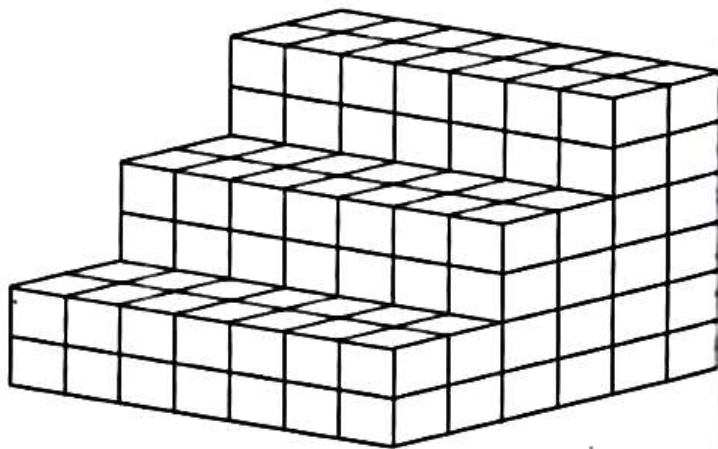A. sh. 6300
B. sh. 1800
C. sh. 2800
D. sh. 1250

33. Which of the following is the correct order of writing fractions $\frac{3}{8}$, $\frac{1}{6}$, $\frac{3}{4}$ and $\frac{2}{3}$ from the largest to smallest
A. $\frac{3}{4}, \frac{2}{3}, \frac{3}{8}, \frac{1}{6}$
B. $\frac{1}{6}, \frac{3}{8}, \frac{2}{3}, \frac{3}{4}$
C. $\frac{1}{6}, \frac{2}{3}, \frac{3}{8}, \frac{3}{4}$
D. $\frac{3}{4}, \frac{3}{8}, \frac{2}{3}, \frac{1}{6}$

34. What is 72Km/hr in m/s?
A. 20m/s
B. 72m/s
C. 36m/s
D. 20Km/h

35. The stack shown in the figure alongside is made of one centimetre cubes glued together as shown.



How many were cubes were used to make the stack?

A. 168
B. 252
C. 84
D. 42

36. Jane gets a 2½ % commission on total sales. One month she sold goods worth sh. 50,000. Calculate her commission.
A. sh. 7500
B. sh. 3250
C. sh. 3750
D. sh. 3000

37. Which of the following triangles is not a right angle?
A. 7cm, 24cm, 25cm
B. 8cm, 15cm, 17cm
C. 9cm, 16cm, 25cm
D. 5cm, 12cm, 13cm

**38.** Work out     $\dfrac{0.14 \times 10.2}{0.002 \times 0.7}$

    A. 102
    B. 1020
    C. 1.02
    D. 10.2

**39.** Find the diameter of a circle whose area is 5544cm$^2$?(Take $\pi=3\tfrac{1}{7}$)
    A. 42cm
    B. 21cm
    C. 84cm
    D. 28cm

**40.** Arrange from smallest to largest 0.40404, 0.04040, 0.00440, 0.44400
    A. 0.00440, 0.40404, 0.44400, 0.04040
    B. 0.00440, 0.04040, 0.40404, 0.44400
    C. 0.44400, 0.40404, 0.04040, 0.00440
    D. 0.40404, 0.44400, 0.04040, 0.00440

**41.** Which quadrilateral has only one pair of parallel lines?
    A. Trapezium
    B. Rhombus
    C. Parallelogram
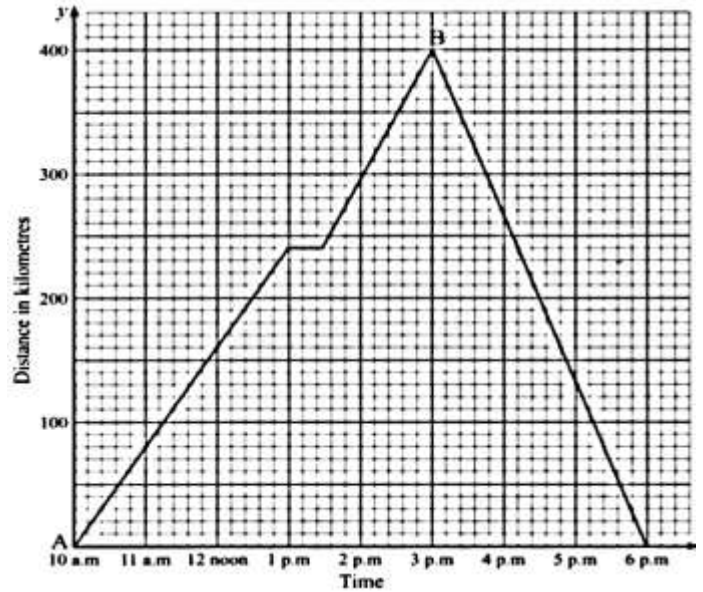    D. Rectangle

**42.** A doctor spent ⅓ of his salary on food, a ¼ of the remainder on fees and saved the rest which was sh. 24000. How much does he earn?
    A. sh. 56000
    B. sh. 24000
    C. sh. 64000
    D. sh. 48000

**43.** Which one of the following is divisible by 11?
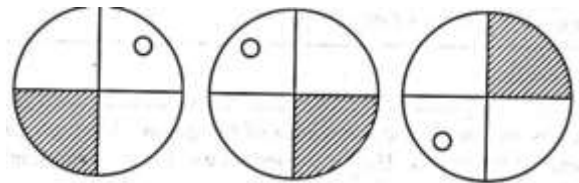    A. 26341
    B. 70972
    C. 33164
    D. 62587

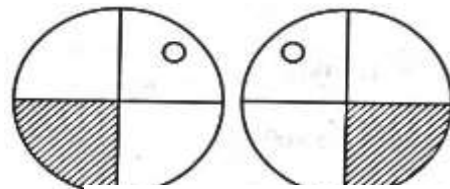**44.** The graph below shows a motorist's journey from town A to B and back.



What is the vertical scale
    A. 1cm represents 100km
    B. 1cm represents 50km
    C. 1cm represents 1 hour
    D. 1hour represents 100km

**45.** Study the following patterns
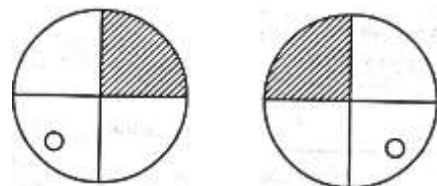


Which of the figures below is next in the above pattern?
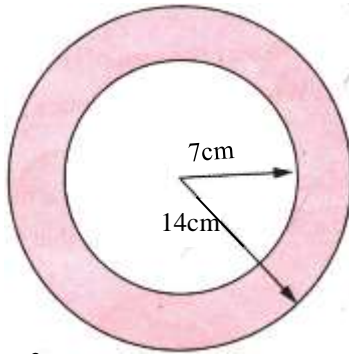


    A.                     B.

    C.                     D.

**46.** Which one of the following is a property of a right angled triangle?
A. All sides are equal.
B. Adjacent angles are supplementary.
C. Two of its sides are perpendicular.
D. The longest side of the triangle is opposite the smallest angle.
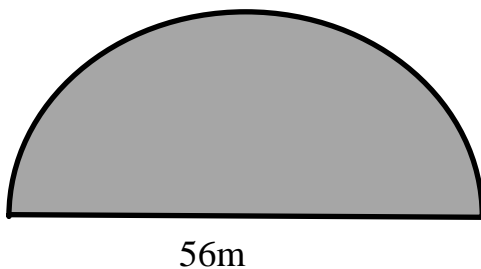
**47.** What is the area of the shaded part?



A. 154cm$^2$
B. 770cm$^2$
C. 616cm$^2$
D. 462cm$^2$

**48.** In a class there are m boys and y girls. What fraction is the boys in the class?
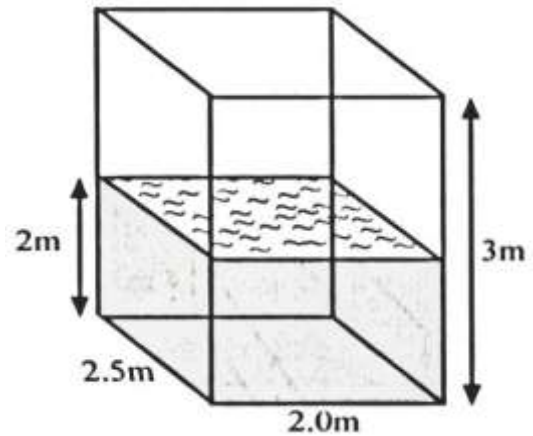
A. $\dfrac{m + y}{2}$       B. $\dfrac{m}{m - y}$

C. $\dfrac{m}{m + y}$       D. $\dfrac{y}{m + y}$

**49.** What is the distance all round the figure below? Take $\pi = {}^{22}/_7$



56m

A. 144m
B. 88m
C. 132m
D. 176m

**50.** The family tank below shows the level of water after it was used for a day. How many litres were used?



A. 5litres
B. 10000litres
C 5000litres
D.15000litres