TIMER NATIONAL SERIES
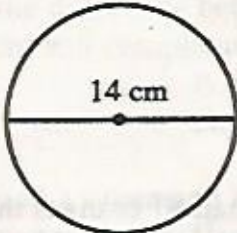## EVALUATION TEST
STD 6 MATHEMATICS

{6}

CODE0072021

Time: 2 hrs

1. Which of the following numbers is two million, twenty thousand, two hundred and two in figures?
   A. 2 020 220
   B. 2 002 022
   C. 2 020 202
   D. 2 200 202

2. What is 97 937 rounded off to the nearest thousand?
   A. 100 000
   B. 98 000
   C. 97 000
   D. 97 940

3. What is the place value of digit 5 in the number 143.2859?
   A. Tenths
   B. Hundredths
   C. Thousands
   D. Thousandths

4. What is the largest number that can be formed by digits 2, 0, 3, 8 and 9?
   A. 98 320   B. 90 832
   C. 89 320   D. 20 389

5. What is the sum of HCF and LCM of 18, 24 and 36?
   A. 72   B. 78
   C. 144   D. 60

6. Work out: $\sqrt{576} + 6^2$
   A. 80
   B. 70
   C. 50
   D. 60

7. What is the reciprocal of $7^3/_4$?

   A. $^4/_{31}$ B. $4^3/_7$

   C. $^{74}/_3$ D. $^{31}/_4$

8. Which of the following numbers is divisible by 8?
   A. 2 542
   B. 2 982
   C. 2 584
   D. 2 687

9. The area of a square piece of land is $289m^2$. What is the perimeter of thé square?
   A. 34m   B. 68m
   C. 136m   D. 78m

10. Subtract $9^3/_5$ from 13

    A. $4^2/_5$ B. $4^3/_5$

    C. $3^3/_5$ D. $3^2/_5$

11. In a wedding party, the number of men were 5 240 while that of women was 540 less than men. The children were 240 more than the adults. How many people attended the party altogether?
    A. 20 120
    B. 10 180
    C. 5 240
    D. 13 480

12. What is the value of $\sqrt{256}$?
    A. 16   B. 128
    C. 4   D. 64

13. Find the circumference of the circle below.

    14 cm

    A. 22cm
    B. 88cm
    C. 66cm
    D. 44cm

14. How many $^2/_3$ kg packets of sugar can be packed from a 60kg bag of sugar?
   - A. 40
   - B. 90
   - C. 80
   - D. 120

15. Arrange these fractions below from the largest to the smallest: $^3/_4, ^3/_7, ^4/_9, ^1/_2, ^7/_8$

   - A. $^7/_8, ^3/_4, ^1/_2, ^4/_9, ^3/_7$

   - B. $^3/_7, ^4/_9, ^1/_2, ^3/_4, ^7/_8$

   - C. $^7/_8, ^3/_4, ^1/_2, ^3/_7, ^4/_9$

   - D. $^3/_7, ^3/_4, ^4/_9, ^1/_2, ^7/_8$

16. Divide: $72\ 036 \div 18$
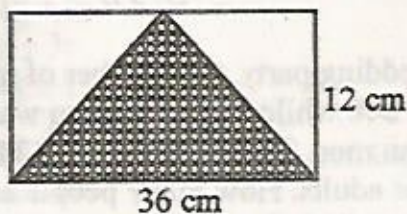   - A. 42
   - B. 402
   - C. 4 002
   - D. 40 002

17. Find the area of shaded part

   - A. 432cm²
   - B. 576cm²
   - C. 414cm²
   - D. 216cm²

18. What is the value of $22 - 8 + 16$?
   - A. 30
   - B. 32
   - C. 36
   - D. 28

19. Work out: $\dfrac{0.6 \times 0.8}{0.014}$
   - A. 48
   - B. 0.48
   - C. 4.8
   - D. 0.048

20. Prudence had 87 oranges that she shared equally with her 7 friends. How many oranges remained?
   - A. 12
   - B. 4
   - C. 3
   - D. 11

21. Maina worked in his farm for 8 hours 30 minutes and stopped working at 4.00pm in the evening. At what time am/pm system had he started working?
   - A. 6.30am
   - B. 8.30am
   - C. 9.30am
   - D. 7.30am

22. Find the perimeter of the field below in kilometres
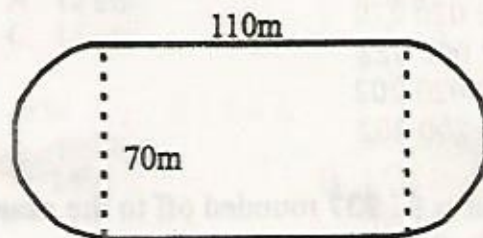
   - A. 0.44km
   - B. 0.22km
   - C. 0.66km
   - D. 4.4km

23. Write 1.58 as a percentage
   - A. 1.58%
   - B. 15.8%
   - C. 158%
   - D. 0.158%

24. The diagram below is a cuboid

   What is its volume in cubic centimetres?
   - A. 9 000 000cm³
   - B. 900 000cm³
   - C. 90 000cm³
   - D. 9 000cm³

25. Add: $58.87 + 0.0048 + 9.3 + 6$
   - A. 81.5238
   - B. 68.4328
   - C. 76.4328
   - D. 74.1748

26. What is 45% as a fraction in its simplest form?

 A. $^9/_{25}$ B. $^9/_{20}$

 C. $^9/_{15}$ D. $^{45}/_{100}$

27. What is the sixth number in the pattern below?

 5, 7, 11, 13, ___ , ___
 A. 17   B. 23
 C. 15   D. 19

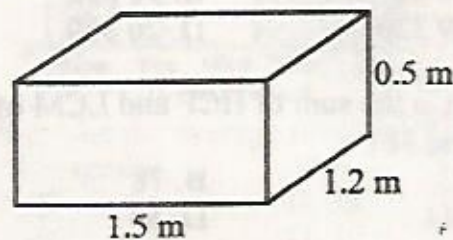28. Find the area of the rectangle below

    12 m

    P = 40 m

 A. 480 m^2 B. 80 m^2
 C. 96 m^2 D. 40 m^2

29. Stacy walks from home to school and back in the evening everyday. If the distance between home and school is 5 km 400 m, what distance does she cover in five days?
 A. 54 km
 B. 27 km
 C. 13.5 km
 D. 52.5 km

30. Simplify $5(3x + 2y) + 3(2x + 3y)$
 A. $19x + 21y$
 B. $21x + 19y$
 C. $21x - 19y$
 D. $40xy$

31. What is $^7/_{12}$ as a decimal correct to three decimal places?
 A. 0.5833
 B. 0.58
 C. 1.000
 D. 0.583

32. In a school, $^3/_5$ of the pupils were girls. If there are 240 boys, how many pupils are there altogether?
 A. 500   B. 480
 C. 600   D. 900

33. Which one of the following statements is true about an obtuse angle? It is
 A. larger than 90° but less than 180°
 B. larger than 180° but less than 360°
 C. always less than 90°
 D. a right angle

34. Divide: $6\overline{)36\text{km }349\text{m }50\text{cm}}$

 A. 6km   85m   25cm
 B. 5km   58m   25cm
 C. 6km   56m   35cm
 D. 6km   58m   25cm

35. What is the size of the largest angle in the triangle below?

 A. 120°
 B. 90°
 C. 60°
 D. 30°

36. A lorry covered 240 km in 3 hours. What was its speed?
 A. 80km/hr   B. 90km/hr
 C. 70km/hr   D. 60km/hr

37. The price of a kilogram of a rice dropped to sh. 80 after a drop of sh. 25. What was the cost of the rice before the drop?
 A. Sh. 95
 B. Sh. 65
 C. Sh. 105
 D. Sh. 115

38. What is the difference between the suppliment and complement of $40\frac{1}{2}°$?
 A. 180°   B. 90°
 C. $50\frac{1}{2}°$ D. $90\frac{1}{2}°$

39. Bernice had a sugarcane 8m long. She cut it into 1 metre pieces. How many cuts did she make?
 A. 5   B. 6
 C. 8   D. 7

40. Multiply:

l		dl
30		8
$\times$		6

A. 184l 8dl
B. 180l 48dl
C. 180l 8dl
D. 188l 4dl

41. Kipkemei bisected the line drawn below, what was the length of each part?

A. 4.5 cm
B. 4 cm
C. 3.5 cm
D. 2.5 cm

42. Timoe had g goats, t sheep and twice as many cows as goats. How many animals does he have altogether?

A. $3g + t$
B. $4g + 2t$
C. $g + 3t$
D. $2g + t$

43. What is the sum of prime numbers between 70 and 90?

A. 382
B. 395
C. 482
D. 412

44. Ouma bought the following items from a shop.

2 kg of sugar @105
5 litres of milk @ sh. 40 each
2½kg of meat @ sh. 600
5 eggs @ sh. 15.00

How much balance did he receive if he gave out sh. 2 000?
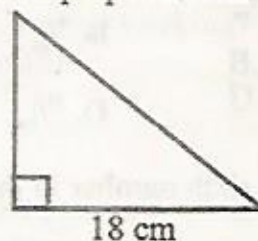
A. Sh. 1 980
B. Sh. 15
C. Sh. 1 908
D. Sh. 1 985

45. Convert 3.5ha into square metres.

A. 35 000m^2
B. 3 500m^2
C. 350m^2
D. 35m^2

46. Channe's salary is 36 000 . If she spent 90% of the salary and saved the rest, how much did she save?

A. Sh. 6 000
B. Sh. 24 000
C. Sh. 3 600
D. Sh. 30 000

47. The figure below is a triangle whose area is 108 cm^2 If the base length is 18 cm, what is its perpendicular height?
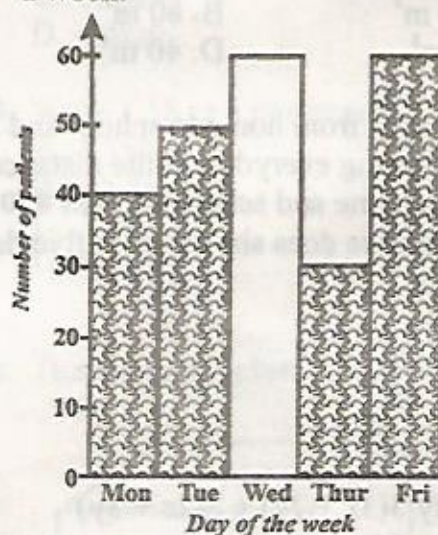
18 cm

A. 12 cm
B. 6 cm
C. 18 cm
D. 24 cm

48. Add: $2^1/_4 + 8^1/_2 + 4^1/_8$

A. $14^3/_8$
B. $15^1/_8$
C. $15^3/_4$
D. $14^7/_8$

49. The graph below shows the number of patients that attended a certain hospital in a week.

Number of patients vs *Day of the week*

What was the average number of patients in that week?

A. 45
B. 36
C. 30
D. 40

50. Which of the following is the next pattern in the figure below?

A.
B.
C.
D.