TRIAL SERIES
STD 6 - TERM III
MATHEMATICS

1. Write in words 982406
   A. Nine million eighty two thousand four hundred and six
   B. Nine million eighty thousand four hundred and six
   C. Ninety eight thousand four hundred and six
   D. Nine hundred and eighty two thousand, four hundred and six

2. What is the place value of digit seven in the sum of 22349 and 5564?
   A. Hundreds
   B. Tens
   C. Thousands
   D. Tens of thousands

3. Round off 88949 to the nearest thousands.
   A. 89000
   B. 88000
   C. 880049
   D. 89100

4. Find the product of 0.36 and 0.7
   A. 0.567
   B. 1.81
   C. 0.367
   D. 0.252

5. What is the square root of $2^7/_{81}$
   A. $4^1/_9$
   B. $1^4/_9$
   C. $9\frac{1}{4}$
   D. $1^5/_9$

6. Multiply 396 x 88
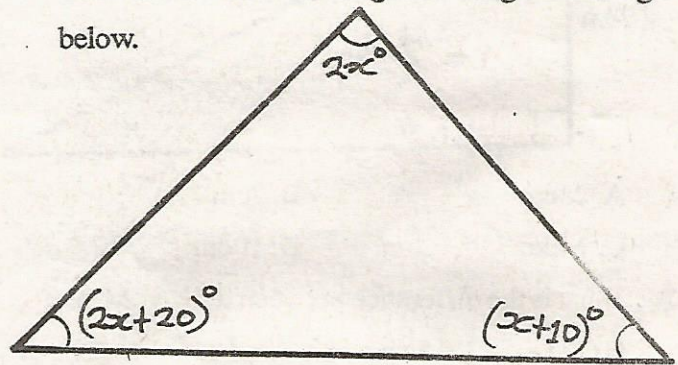   A. 33838
   B. 32948
   C. 34848
   D. 27918

7. Work out: 5 - 2.37 + 4.675 - 3.215
   A. 0.409
   B. 409
   C. 40.9
   D. 4.09

8. Solve the equation below.
   $3(4x + 2) = 42$
   A. 3
   B. 4
   C. $3\frac{1}{2}$
   D. 10

9. Three types of cloth materials of lengths 24m, 30m and 36m respectively have to be subdivided equally into smaller pieces. What is the greatest length of the material which can be obtained per piece of cloth?
   A. 720m
   B. 6m
   C. 360m
   D. 36m

10. Calculate the value of the greatest angle in the figure below.

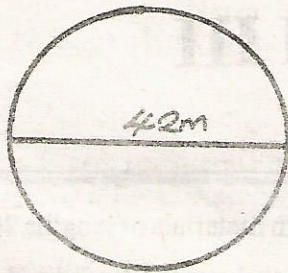

   A. 30^0
   B. 60^0
   C. 80^0
   D. 120^0

11. A family uses 10dl of milk everyday. How many litres were used in the month of February this year (2008)
   A. 28 litres
   B. 280 litres
   C. 29 litres
   D. 290 litres

12. The width of a rectangle is 5cm and its perimeter is 24cm. Find its length.
   A. $49cm^2$
   B. 7cm
   C. 19cm
   D. 6cm

13. Change $2\frac{1}{4}$ litres to millilitres.
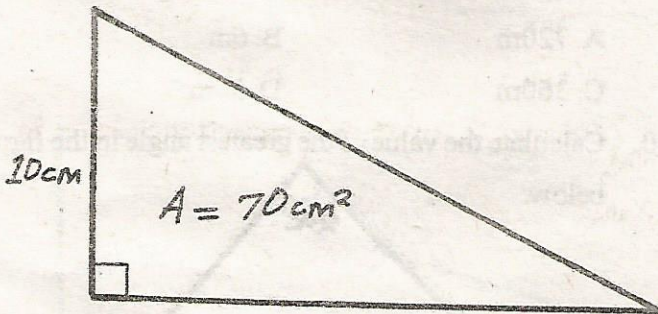   A. 225ml
   B. 2250ml
   C. 2.25ml
   D. 22.5ml

14. What is the sum of all prime numbers between 40 and 50?
   A. 131
   B. 41
   C. 88
   D. 47

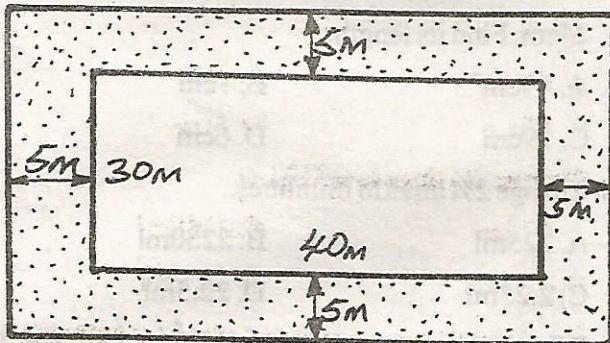15. Find the circumference of the circle below.
(take $\pi = {}^{22}/_7$)

42m

A. 33m
B. 42m
C. 66m
D. 132m

16. What is the base of the triangle below whose height is 10cm and area is 70cm²?

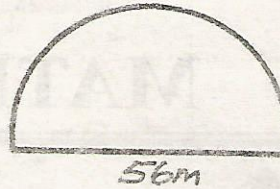

10CM

$A = 70cm^2$

A. 28cm   B. 7cm
C. 14cm   D. 10cm

17. What is the difference between the L.C.M. and G.C.D. of 12, 15 and 18?

A. 177   B. 180
C. 183   D. 3

18. Find the reciprocal of $8^1/_3$?

A. ${}^{25}/_3$ B. ${}^3/_{25}$
C. ${}^{12}/_3$ D. ${}^3/_{12}$

19. Find the area of the unshaded part in the figure below.

5M
5M 30M
40M
5M
5M

A. 1200m²   B. 2000m²
C. 800m²   D. 2800m²

20. The figure below shows a semi-circle. Yiamat ran round it three times. What distance did she cover?

56m

A. 144m
B. 432m
C. 88m
D. 4.32m

21. Arrange the following fractions in descending order.
$^2/_3$, $^2/_5$, $^3/_4$, $^1/_2$

A. ¾, ½, $^2/_5$, $^2/_3$ B. $^2/_3$, ¾, ½, $^2/_5$
C. $^2/_3$, ¾, $^2/_5$, ½   D. ¾, $^2/_3$, ½, $^2/_5$

22. What is 48.9984 rounded off to two decimal places?

A. 49   B. 48.99
C. 48.00   D. 49.00

23. Evaluate: 4y + 3w - 2 + y - w

A. 5y - 2w - 2   B. 3y- 2w - 2
C. 5y + 2w - 2   D. 3y - 2w + 2

24. What is the place value of digit 6 in the figure below.
495.086?

A. Ones   B. Hundredths
C. Thousandths   D. Tenths

25. The table below shows the number of pupils absent in a class of 48 pupils during one week.

Pupils	Mon	Tue	Wed	Thur	Fri
Boys	5	2	1	2	4
Girls	3	2	2	3	5

On what day was the number of pupils present smallest?
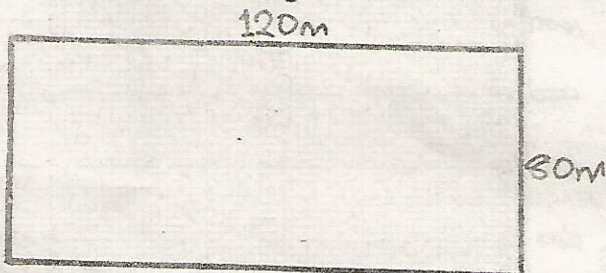
A. Friday   B. Tuesday
C. Monday   D. Wednesday

26. Which of the following numbers is divisible by 8?

A. 940070   B. 948408
C. 84830   D. 4870

27. Bengat bought a hen for sh 250 and later sold it to Atur for sh 200. What percentage loss did he incur?

A. 40% B. 25%

C. 20% D. 16²/₃%

28. Work out: 99.91 + 0.01 + 200.2

A. 300.12 B. 300.20

C. 299.0 D. 301.12
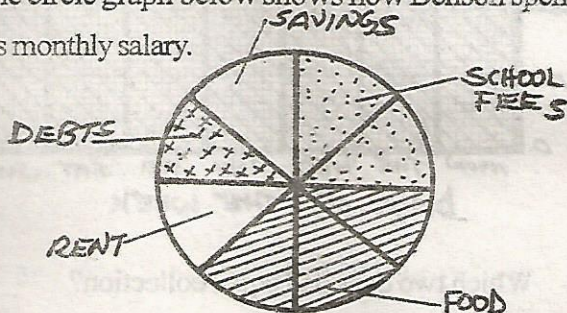
29. What is the area of the figure below in ares?

A. 9600 B. 0.96

C. 960 D. 96

30. A square has an area of 225m². What is the perimeter of the square?

A. 15m B. 60m

C. 30m D. 150m

31. The circle graph below shows how Benson spends his monthly salary.

If the salary is sh 24,000, how much does he spend on food?

A. sh 3000 B. sh 9000

C. sh 6000 D. sh 12000

32. Work out: 6 - 2¾ - 1¹/₃

A. 2¹/₁₂ B. 3⁵/₁₂

C. 1¹¹/₁₂ D. 4⁷/₁₂

33. A car covered 36km in 2 hours. What is this speed in m/s?

A. 5m/s B. 18m/s

C. 10m/s D. 36m/s

34. Express 100ml into cm³

A. 10cm³ B. 100cm³

C. 1000cm³ D. 10000cm³

35. Work out the following

t	kg	g
4	300	200
- 1	400	742

A. 2t 899kg 458g B. 3t 100kg 542g

C. 2t 900kg 542g D. 3t 900kg 458g

36. What is the complimentary angle of 72⁰?

A. 108⁰ B. 8⁰ C. 180⁰ D. 18⁰

37. Joan scored 75 marks in English, Science 80, Maths 82, Kiswahili 73 and Social studies 85. What was her mean score?

A. 395 B. 80

C. 79 D. 85

38. What is the value of $(3^2/_5)^2$

A. 9⁴/₅ B. 11¹⁴/₂₅

C. 57⁴/₅ D. 9⁴/₂₅

39. A roll of thread measures 150cm 5mm. What is the length of the roll in millimetres?

A. 1505 B. 155

C. 150.5 D. 550.

40. Simplify: ¹/₃(18c + 12d) + 3(c - d)

A. 9c + d B. 9c + 7d
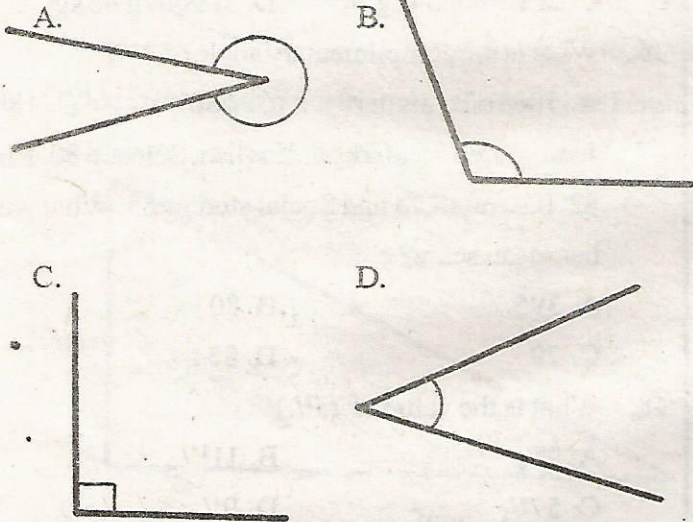
C. 9c - d D. 10c + 6d

The table below shows international rate for sending surface parcels. (Use it to answer question 41)

	Africa		Europe Near East		The rest of the world	
	sh	cts	shs	cts	sh	cts
upto 1kg	940	00	1030	00	1070	00
Over 1kg upto 3kg	1335	00	1390	00	1455	00
Over 3kg upto 5kg	1695	00	1740	00	1920	00
Over 5kg upto 10kg	2370	00	2380	00	2755	00
Over 10kg upto 15kg	3180	00	3255	00	3370	00
Over 15kg upto 20kg	3520	00	4155	00	4440	00
Over 20kg upto 25kg	6165	00	7345	00	8750	00
Over 25kg upto 30kg	8560	00	10195	00	12140	00

41. Chicharito posted two parcels, one weighing 2¼kg to Cairo (Africa) and the other weighing 4kg to Spain. (Europe). How much did he pay in total?

A. sh 3030   B. sh 3075

C. sh 2725   D. sh 3130

42. Which of the following is an acute angle?

A.   B.

C.   D.

43. Using a ruler and a protractor, draw triangle XYZ such that line XY = 6cm, angle ZXY = 80⁰ and XYZ = 50⁰. What is the measure of line YZ?

A. 6cm   B. 5cm

C. 7.7cm   D. 9cm

44. Convert 0055 hours into a.m/p.m system.

A. 12.55 p.m   B. 5.50 a.m

C. 5.50 p.m   D. 12.55 a.m

45. A bus was hired by 40 people. Only 70% of them turned up for the journey. How many people travelled in the bus?
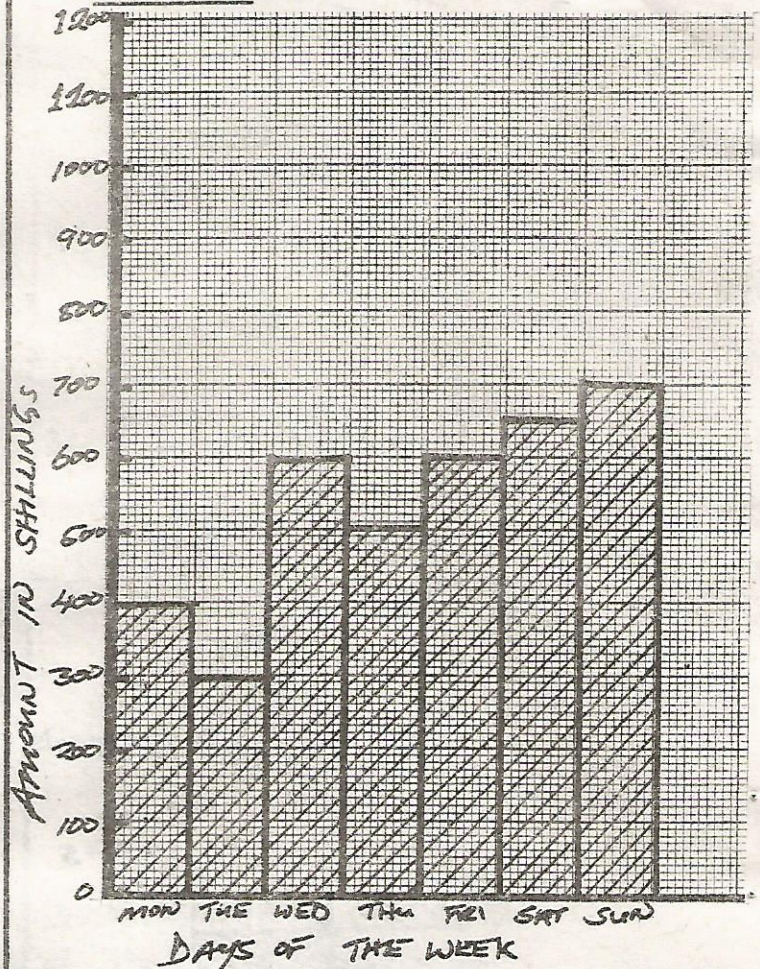
A. 12   B. 38

C. 28   D. 22

46. Express 0.37 as a percentage.

A. 37%   B. 3.7%

C. 0.37%   D. 370%

47. Write 36 in Roman numerals.

A. XXLVII   B. XLII

C. XXVI   D. XXXVI

<u>Use the bar graph below to answer questions 48 - 50. It shows the money collected from a video in one week</u>

48. Which two days had equal collection?

A. Monday and Tuesday

B. Tuesday and Wednesday

C. Wednesday and Friday

D. Saturday and Sunday

49. Which day had the highest collection?

A. Friday   B. Monday

C. Saturday   D. Sunday

50. What was the total collection of the whole week?

A. sh 3750   B. sh 3800

C. sh 3850   D. sh 3700