

SPEAR SERIES

STD 6 - TERM III

MATHEMATICS

1. What is four million eight hundred three thousand one hundred and twenty five in figures?

- A. 4830125 B. 4803125
C. 4083125 D. 4831125

2. Solve and write: $\frac{1}{2} + \frac{2}{5} + \frac{3}{4}$ in its simplest form.

- A. $\frac{33}{20}$ B. $2\frac{13}{20}$
C. $1\frac{13}{20}$ D. $\frac{13}{20}$

3. A flag post is 2m 30cm long. What is the length of the post in cm?

- A. 2.3cm B. 23cm
C. 230cm D. 300cm

4. Which of the following number is divisible by 8?

- A. 17826 B. 8126
C. 1288 D. 75284

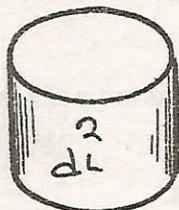
5. Debbu thought of a number P and divided it by 6. The result was 14. What was the number he thought of?

- A. 84 B. 42
C. 14 D. 20

6. Juma started the journey at 9.30 a.m. He arrived at his destination 2 hours 45 minutes later. At what time did he arrive?

- A. 11.15 p.m. B. 12.15 p.m.
C. 11.15 a.m. D. 1.15 a.m.

7. How many of the 2dl containers are needed to fill the 18 litres container?



- A. 360 B. 90
C. 36 D. 9

8. What is the next number in the pattern?

169, 144, 121, 100, _____

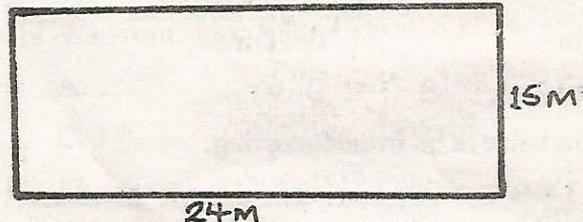
- A. 196 B. 64
C. 81 D. 49

9. A posho mill can process 12kg 250g of maize meal in one minute. If the posho mill runs continuously for 12 minutes, how many kilograms of maize meal will be processed?

- A. 144kg 300g B. 147kg 3000g
C. 147 D. 1730kg 25g

10. Morgan ran round the field shown below twice.

What distance did he cover?



- A. 360m B. 78m
C. 39m D. 156m

11. By how much is $8\frac{1}{3}$ greater than $5\frac{3}{4}$?

- A. $2\frac{7}{12}$ B. $3\frac{2}{3}$
C. $3\frac{1}{2}$ D. $2\frac{5}{12}$

12. $\frac{3}{5}$ of the pupils in class 6 are girls. What is the number of girls as a percentage?

- A. 30% B. 20%
C. 60% D. 50%

13. What is the total value of 2 in the figure 924804?

- A. Thousands B. 20,000
C. 2000 D. Tens of thousands

14. Add: $3465108 + 1454 + 421159 + 10$

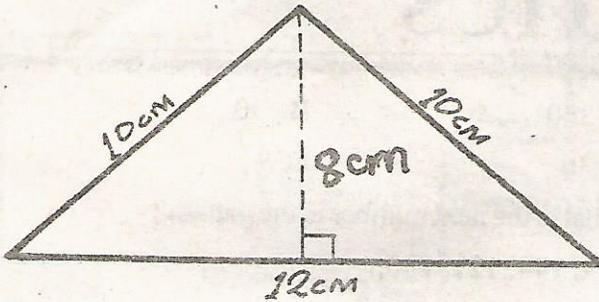
A. 10129698

B. 3887611

C. 38731

D. 3887731

15. What is the area of the triangle below.



A. 48cm^2

B. 60cm^2

C. 32cm^2

D. 96cm^2

16. Work out: Km m cm

$$\begin{array}{r} 65 \quad 493 \quad 90 \\ + 20 \quad 720 \quad 80 \\ \hline \end{array}$$

A. 85km 1213m 170cm

B. 88km 14m 70cm

C. 86km 213m 170cm

D. 86km 214m 70cm

17. The area of a square field is 196m^2 . Find its perimeter.

A. 14m

B. 28m

C. 49m

D. 56m

18. Find the value of 'x' in the following.

$$\frac{1}{5}x - 3 = 9$$

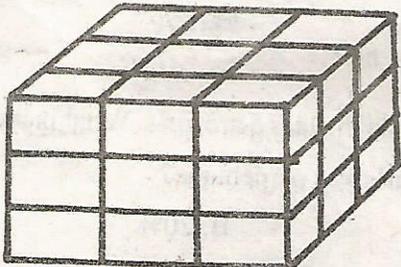
A. 12

B. 30

C. 20

D. 60

19. How many small cubes are in the stack below?



A. 54

B. 27

C. 9

D. 16

20. In a birthday party, 25 guests attended. If each guest took two 300ml bottles of soda, how many litres of soda did all the guests take?

A. 15

B. 150

C. 1500

D. 15000

21. Warutere made 11.2 litres of juice. He packed it all into 4dl packets. How many packets did he make?

A. 2800

B. 280

C. 2.8

D. 28

22. Fill in the value of 'p' in the magic square.

P	1	8
	5	3
		4

A. 15

B. 8

C. 5

D. 6

23. Maria earns a salary of sh 18000 in a month. 30% of this is used on rent and fees and the rest on food and clothings. How much does she spend on food and clothing?

A. sh 5400

B. sh 12600

C. sh 7200

D. sh 11800

24. The population of people in Mung'ang'a village is as follows. Boys 8493, girls 7648 and adults 4065. What is the population of the village rounded off to the nearest thousands?

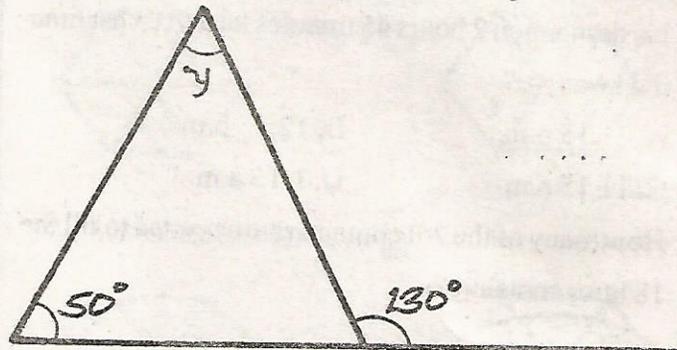
A. 20206

B. 20100

C. 21000

D. 20000

25. What is the value of angle 'y' in the figure?



A. 180°

B. 50°

C. 80°

D. 100°

26. What is the sum of the first 14 odd numbers?

A. 49

B. 56

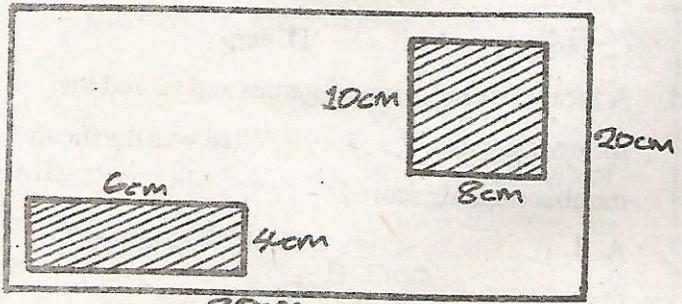
C. 84

D. 196

27. A train travelled at a speed of 30km/hr. How long did it take to travel 150km?
- A. 5 hours B. 4 hours
C. 3 hours D. 30 hours

28. Find the difference between the squares of 21 and 24?
- A. 441 B. 576
C. 1017 D. 135

29. Find the area of the unshaded part.



- A. 496cm² B. 436cm²
C. 104cm² D. 600cm²

30. Waketu bought 30 oranges. Later he found $\frac{1}{5}$ of the oranges were bad. What percentage of the oranges were good?

- A. 6% B. 24%
C. 20% D. 80%

31. What is 4.0381 correct to two decimal places?

- A. 4.04 B. 4.038
C. 4.03 D. 4.38

32. What is $8 - 4\frac{3}{8}$

- A. $4\frac{3}{8}$ B. $4\frac{5}{8}$
C. $3\frac{5}{8}$ D. $3\frac{3}{8}$

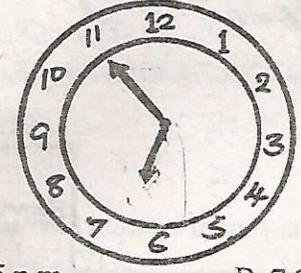
33. Multiply 0.78 x 1.2

- A. 0.0936 B. 0.936
C. 9.36 D. 93.6

34. A medicine container has 125 litres of syrup. The syrup is to be emptied into 2dl plastic bottles. How many bottles will be filled?

- A. 652 B. 625
C. 525 D. 1250

35. Mueni left home in the morning for school at the time shown on the clockface. She took 40 minutes to reach school. What time did she arrive at school?



- A. 7.35 p.m B. 7.35 a.m
C. 7.15 a.m D. 7.40 a.m

36. The charges of sending a telegram is sh 10 for the first ten words. Any additional word is charged sh 1.00. How much did Kombo pay for sending the following telegram?

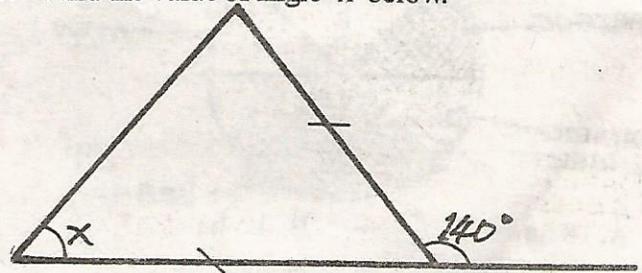
CHRIS NAlAH BOX 43901 SHIANDA
MOTHER SICK COME HOME IMMEDIATELY
KOMBO

- A. sh 10.00 B. sh 12.00
C. sh 11.00 D. sh 13.00

37. Work out: $13 \times 1.3 \times 0.13$

- A. 21.97 B. 2.197
C. 219.7 D. 2197

38. Find the value of angle 'x' below.



- A. 40° B. 110°
C. 70° D. 140°

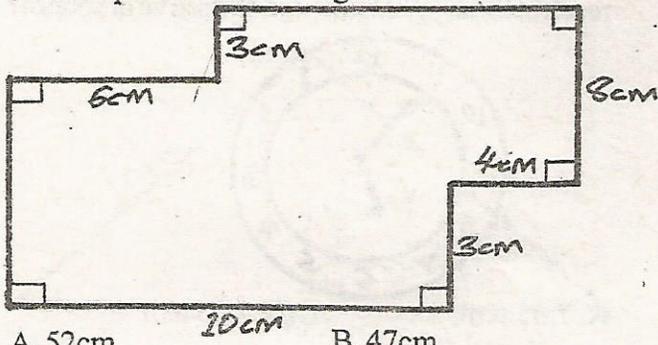
39. Arrange the following fractions from the smallest to the largest.

- $\frac{3}{4}, \frac{2}{3}, \frac{5}{6}, \frac{7}{8}$
A. $\frac{7}{8}, \frac{5}{6}, \frac{3}{4}, \frac{2}{3}$ B. $\frac{2}{3}, \frac{3}{4}, \frac{7}{8}, \frac{5}{6}$
C. $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}, \frac{7}{8}$ D. $\frac{3}{4}, \frac{5}{6}, \frac{7}{8}, \frac{2}{3}$

40. Find the difference in 82 and $\sqrt{144}$

- A. 94 B. 70
C. 12 D. 984

41. Find the perimeter of the figure below.



- A. 52cm B. 47cm
C. 50cm D. 42cm

42. Work out: 7000000

$$\begin{array}{r} 7000000 \\ - 5712498 \\ \hline \end{array}$$

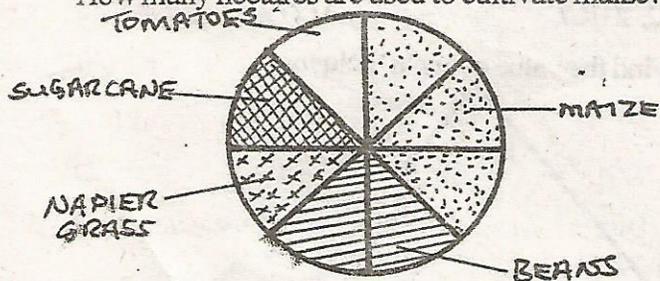
- A. 1287612 B. 2287502
C. 1287512 D. 1287502

43. What is the place value of digit 6 in 3.26?

- A. Tenths B. Hundredths
C. Tens D. Ones

44. The pie chart shows how Bosire uses his 36 ha farm.

How many hectares are used to cultivate maize?

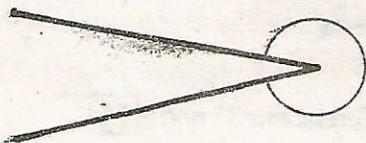


- A. 18 ha B. 4.5 ha
C. 13.5 ha D. 9 ha

45. Find the sum of the G.C.D. and L.C.M. of 4, 12 and 8.

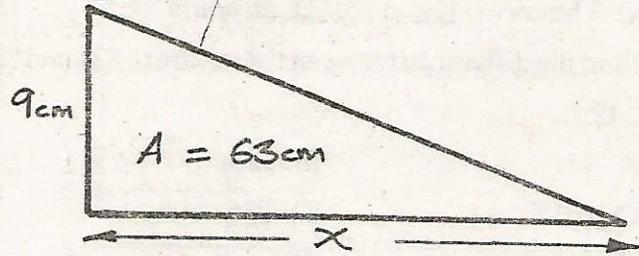
- A. 4 B. 8
C. 28 D. 24

46. The angle shown in the diagram below is called



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

47. The area of the triangle below is 63cm^2 . Find the measure of 'x'.



- A. 7cm B. 14cm
C. 54cm D. 8cm

48. A football team played 5 games and scored the following goals, 4, 1, 3, 0, 2. What was the mean number of goals scored?

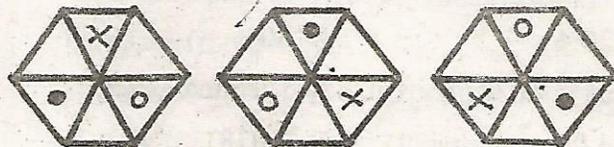
- A. 4 B. 10
C. 2 D. 5

49. Which one of the following symbols will complete the statement below?

A right angle _____ acute angle.

- A. > B. < C. = D. ≤

50. Which of the following shape is next?



- A. B.



- C. D.

