1. What is twenty two million, two hundred and two thousand and twenty two in figures?
   - A. 22 220 022
   - B. 22 022 022
   - C. 22 202 022
   - D. 22 202 202

2. What is the place value of digit 1 in the product of **380** and **564**?
   - A. Tens of thousands
   - B. Thousands
   - C. Hundred of thousands
   - D. Hundreds

3. Round off **29.324** to the nearest whole number
   - A. 30
   - B. 29
   - C. 29.32
   - D. 29.00

4. What is the smallest number that can be added to **287 912** to make it divisible by **11**?
   - A. 3
   - B. 4
   - C. 1
   - D. 2

5. 165 members received sh. 1 500 each as their interest. How much interest did the business earn?
   - A. Sh. 274 500
   - B. Sh. 257 500
   - C. Sh. 247 500
   - D. Sh. 235 700

6. The area of a square piece of land is $1\ 225m^2$. The owner went round the plot three times. What distance did he cover?
   - A. 420 m
   - B. 140 m
   - C. 280 m
   - D. 70 m

7. A farmer uses $\frac{1}{4}$ of his farm to grow cabbage, $\frac{1}{2}$ to grow maize and the rest to grow beans. What fraction of his farm was used to grown beans?
   - A. $\frac{3}{4}$
   - B. $\frac{1}{4}$
   - C. $\frac{1}{8}$
   - D. $\frac{1}{12}$

8. Simplify: $5(3x + 2) + \frac{1}{5}(10 - 15x)$
   - A. $12x - 12$
   - B. $5x + 10$
   - C. $5x - 10$
   - D. $12x + 12$

9. What is $\left(\frac{5}{6}\right)^2$?
   - A. $\frac{10}{6}$
   - B. $\frac{5}{12}$
   - C. $\frac{25}{36}$
   - D. $\frac{10}{36}$

10. Which of the following statements is **true** about the diagram below?
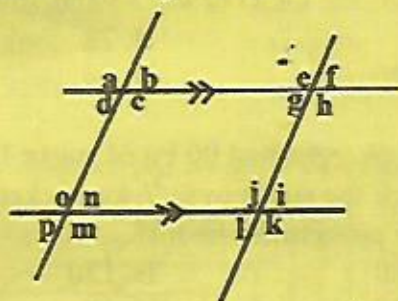
    - A. Angle c = angle j = 180°
    - B. Angle a + angle e = 180°
    - C. Angle c + angle j = 180°
    - D. Angle c + angle j = angle a + angle k

11. What is the next number in the sequence?
    1, 8, 27, 64, _____
    - A. 125
    - B. 216
    - C. 165
    - D. 324

12. Evaluate: $(1.08 - 0.6)^2$
    - A. 0.48
    - B. 0.96
    - C. 0.03204
    - D. 0.2304

13. Find the area of the shaded part in the figure drawn below
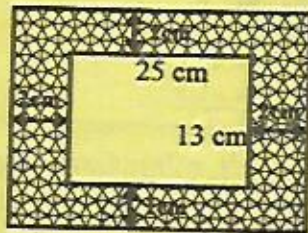
- A. 435cm²
- B. 110cm²
- C. 325cm²
- D. 225cm²

14. A rectangular coffee farm measures 650 m by 450 m. What is the area of the farm in hectares?
- A. 292.5ha
- B. 2 925ha
- C. 29.25ha
- D. 2.925ha

15. Mutie is three times as old as his son. The difference in their age is 36 years. How old will the son be in 4 years to come?
- A. 22 years
- B. 18 years
- C. 14 years
- D. 40 years

16. What is the GCD of 42, 56 and 70?
- A. 7
- B. 28
- C. 140
- D. 14

17. A shopkeeper had 90 kg of sugar. He decided to pack the sugar in to $^3/_4$ kg packets. How many packets did he fill?
- A. 160
- B. 120
- C. 200
- D. 60

18. What is 0.375 as a fraction in its simplest form?
- A. $^3/_{16}$
- B. $^3/_{80}$
- C. $^3/_8$
- D. $^3/_{40}$

19. Arrange $^5/_6, ^7/_8, ^2/_3,$ and $^3/_4$ in descending order.
- A. $^7/_8, ^5/_6, ^3/_4, ^2/_3$
- B. $^2/_3, ^3/_4, ^5/_6, ^7/_8$
- C. $^7/_8, ^3/_4, ^5/_6, ^2/_3$
- D. $^3/_4, ^5/_6, ^7/_8, ^2/_3$

20. What is $5.342 \div ^1/_{100}$?
- A. 0.5342
- B. 53.42
- C. 0.05342
- D. 534.2

21. What is the size of the angle marked **m**?
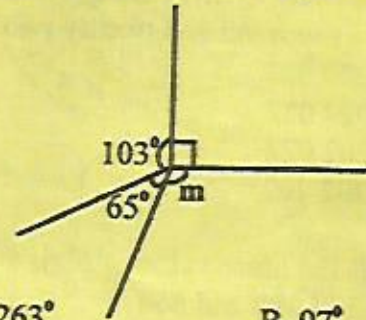
- A. 263°
- B. 97°
- C. 113°
- D. 102°

22. Complete the statement using the right symbol. 0.4_____ 40%
- A. >
- B. none
- C. =
- D. <

23. After using 75% of the water in a tank, the amount of water left was 1 250 litres. How much water has been used before?
- A. 3 750*l*
- B. 5 000*l*
- C. 4 6 50*l*
- D. 3 250*l*

24. A man had 60 cows. Due to drought 9 cows died. What percentage of the cows remained?
- A. 15%
- B. 20%
- C. 85%
- D. 65%

25. 3 trousers can cost sh. 1 350, how much will five trousers cost?
- A. Sh. 1 250
- B. Sh. 2 250
- C. Sh. 4 500
- D. Sh. 5 250

26. The mass of a lorry when loaded with 60 bags of maize is 12.6 tonnes. If each bag weighs 90kg, what is the mass of the empty lorry in tonnes?
- A. 7.2 tonnes
- B. 8.4 tonnes
- C. 5.4 tonnes
- D. 3.6 tonnes

27. Change 550 minutes into hours and minutes.
   A. 5 hours 50 minutes
   B. 9 hours 10 minutes
   C. 6 hours and 50 minutes
   D. 3 hours 40 minutes

28. Nagambo left home at 7.45 am for the market. She arrived at 10.30 am. How long did the journey take?
   A. $2^2/_3$ hrs
   B. $2^3/_5$ hrs
   C. $2^3/_4$ hrs
   D. $2^5/_6$ hrs

29. The total weight of two ladies is 150 kg. If one of the ladies has 6 kg more, what is the weight of the heavier one?
   A. 78 kg
   B. 72 kg
   C. 82 kg
   D. 86 kg

30. The table below shows the rate of sending letters.

Letter	sh.	cts.
Not over 50 g	21	00
Not over 100 g	33	00
Not over 250 g	48	00
Not over 500 g	63	00
Not over 1 kg	92	00
Not over 2 kg	115	00

Naomi posted two letters. One weighed 400 g and the other $1^3/_4$ kg. What was her total postage cost?
   A. Sh. 115.00
   B. Sh. 165.00
   C. Sh. 178.00
   D. Sh. 206.00

31. What is 72 km/hr into m/s?
   A. 25m/s
   B. 20m/s
   C. 30m/s
   D. 15m/s

32. The area of the triangle below is 252 m²

28 m
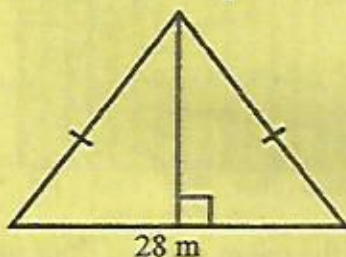
What is the height of the triangle?
   A. 9m
   B. 36m
   C. 24m
   D. 18m

33. What is the circumference of a circle whose radius is 35 cm?
   A. 220 cm
   B. 110 cm
   C. 440 cm
   D. 880 cm

34. The table below shows the number of notes and values in a shopkeepers' cashbox.

Value of notes	100	200	500	1000
No of notes	12	18	20	8

He changed all the money into sh. 40 coins. How many coins did he have altogether?
   A. 540
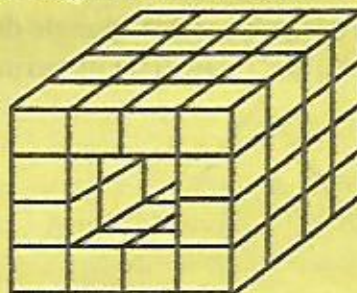   B. 520
   C. 570
   D. 480

35. Construct a triangle MNQ such that line MN = 7 cm, line NQ = 6 cm and MQ = 6.5 cm. Draw a circle that touches the vertices of the triangle. Measure its radius.
   A. 4.3 cm
   B. 3.7 cm
   C. 1.8 cm
   D. 7.4 cm

36. Stacy got 60 marks out of 80 in Mathematics. What was the mark as a percentage?
   A. 80%
   B. 60%
   C. 90%
   D. 75%

37. The diagram below shows a stack of cubes.

How many cubes are they?
   A. 48
   B. 60
   C. 64
   D. 18

38. What is the square of 169?
   A. 13
   B. 24 221
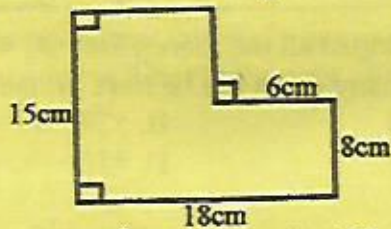   C. 32 421
   D. 28 561

39. Which of the following fraction is a recurring fraction?
   A. $^5/_{16}$
   B. $^3/_8$
   C. $^5/_{12}$
   D. $^3/_{10}$

40. How many minutes are there in $3^5/_6$ hrs?
   A. 350 min
   B. 230 min
   C. 280 min
   D. 320 min

41. Find the area of the figure drawn below

   A. 228 cm²
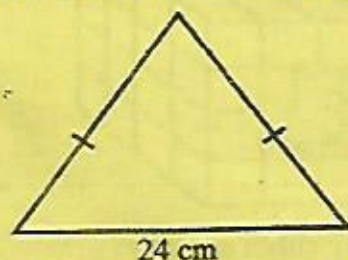   B. 128 cm²
   C. 168 cm²
   D. 248 cm²

42. Convert 165 litres into decilitres
   A. 16 500dl
   B. 16.5dl
   C. 1.65dl
   D. 1 650dl

43. The cost of a pencil is p shillings. A book costs sh. 15 more than a pencil. If a bag costs twice the book, how much is the cost of the three items?
   A. Sh. (3p + 45)
   B. Sh. (3p + 30)
   C. Sh. (4p + 45)
   D. Sh. (3p + 15)

44. The area of the isosceles triangle drawn below is 60 cm². Calculate its perimeter.
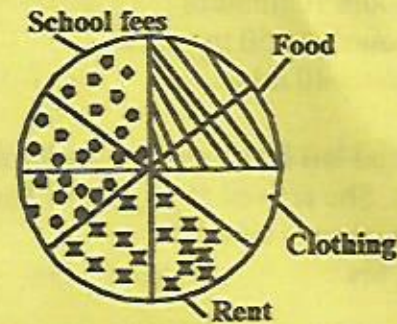

   A. 76 cm
   B. 66 cm
   C. 60 cm
   D. 50 cm

45. A lorry covered a distance of 375 km in 5 hours. How many kilometres does it cover in 3 hrs?
   A. 225 km
   B. 250 km
   C. 310 km
   D. 425 km

Use the pie chart below to answer the questions that follow.

46. If Mr. Kiprono spent sh. 4 000 on clothing, how much did he spend on school fees?
   A. Sh. 16 000
   B. Sh. 12 000
   C. Sh. 24 000
   D. Sh. 8 000

47. How much was Kiprono's salary?
   A. Sh. 64 000
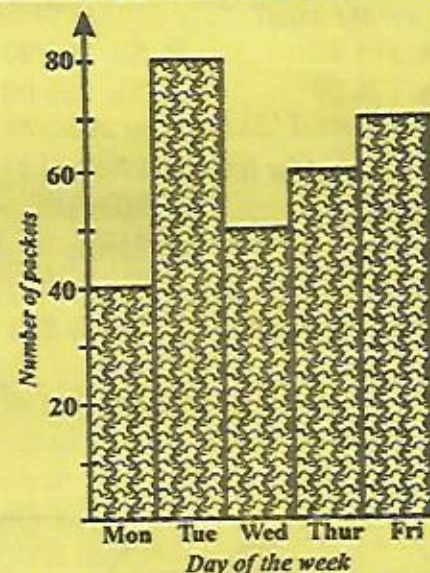   B. Sh. 48 000
   C. Sh. 40 000
   D. Sh. 32 000

48. A stove was bought at sh. 500 and later sold at a profit of 15%. What was the selling price?
   A. Sh. 550
   B. Sh. 515
   C. Sh. 575
   D. Sh. 615

49. Solve the inequality $x - 4 > 5$
   A. $x > 9$
   B. $x < 9$
   C. $x > 1$
   D. $x < 1$

The graph below shows the number of 10kg packets of flour used daily in school.

50. What is the mean mass of flour used daily?
   A. 60kg
   B. 600kg
   C. 6kg
   D. 6 000kg

Stay Safe. Wash your hands and wear a mask!