

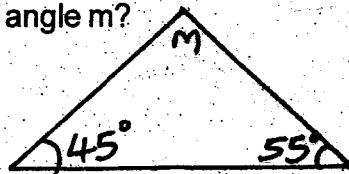
NYERI CENTRAL DISTRICT

STANDARD FIVE TERM III - YEAR 2011

MATHEMATICS

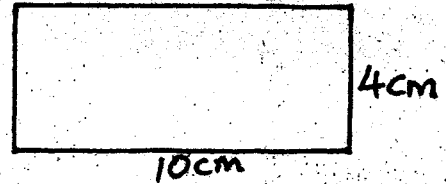
Time:- 2 Hours

1. Write the following number in symbols 504905?
 - A. Five hundred and four thousand and ninety five
 - B. Fifty four thousand nine hundred and five
 - C. Five hundred and four thousand nine hundred and five.
 - D. Fifty four thousand and ninety five
2. Round off the following number to the nearest hundred. 24998
 - A. 24900
 - B. 25000
 - C. 25098
 - D. 24900
3. Which of the following numbers is a prime number?
 - A. 99
 - B. 65
 - C. 39
 - D. 83
4. Wanjiru had a piece of sugarcane $\frac{3}{4}$ m long. She cut $\frac{1}{2}$ a metre from it. What length of sugarcane remained?
 - A. $\frac{1}{4}$ m
 - B. $\frac{1}{2}$ m
 - C. 1m
 - D. $\frac{5}{8}$ m
5. Work out: $18.961 \times 5 =$
 - A. 948.05
 - B. 94.805
 - C. 9.4805
 - D. 94805
6. What is the total value of digit 7 in 67438?
 - A. 67000
 - B. 7000
 - C. 700
 - D. thousands
7. Waruru started his journey to the market at 9.00a.m. He travelled by bus for 3 hours and 30 minutes. At what time did he arrive?
 - A. 12.30a.m
 - B. 12.30p.m
 - C. 11.30a.m
 - D. 11.30p.m
8. Work out $8x + 12x + x + m + 5x =$
 - A. $26x + m$
 - B. $25x + m$
 - C. $24x + m + x$
 - D. $25x + x + m$
9. What is the value of angle m?



- A. 100°
 - B. 80°
 - C. 55°
 - D. 45°
10. Find the sum of $20\text{kg } 65\text{g} + 6\text{kg } 750\text{g} + 35\text{kg } 350\text{g}$
 - A. 65kg 165g
 - B. 62kg 550g
 - C. 62kg 165g
 - D. 62kg 750g
11. Subtract $\frac{7}{10}$ from $1\frac{3}{10}$
 - A. $\frac{3}{5}$
 - B. $2\frac{3}{5}$
 - C. 2
 - D. $\frac{3}{10}$
12. A farmer harvested 23490 bags of maize in a month. The following month he harvested 13027 bags of maize. How many bags did he harvest in the two months?
 - A. 10463
 - B. 10477
 - C. 36517
 - D. 36417

13. What is the perimeter of the rectangle below?

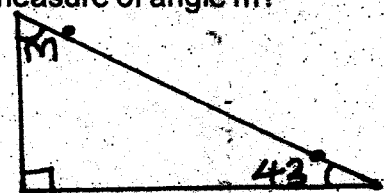


- A. 40cm
 - B. 28cm
 - C. 10cm
 - D. 14cm
14. What is the GCD of 24, 36 and 40?
 - A. 360
 - B. 12
 - C. 4
 - D. 2
15. Change 305 minutes to hours?
 - A. 5hrs 5min
 - B. 5hrs 50min
 - C. 50hrs 5min
 - D. 5hrs 15min
16. What is the area of the figure below?



- A. 110cm
 - B. 700cm^2
 - C. 55cm^2
 - D. 35cm
17. Which are the next two numbers in the following sequence? 25, 23, 21, 19, _____
 - A. 15, 17
 - B. 27, 29
 - C. 17, 15
 - D. 29, 27
18. A rectangular box measures 14cm long, 7cm wide and 16cm high. What is the volume of the box?
 - A. 1568cm^3
 - B. 156cm^2
 - C. 1568cm
 - D. 1568cm^2
19. Find the missing numbers: $\frac{2}{x} = \frac{6}{9} = \frac{x}{18}$
 - A. 3, 10
 - B. 3, 18
 - C. 3, 12
 - D. 12, 18
20. In a class there were 57 pupils. If each pupil contributed sh. 15 to buy a story book, how much money did they contribute altogether?
 - A. sh. 72
 - B. sh. 42
 - C. sh. 825
 - D. sh. 855
21. Work out:

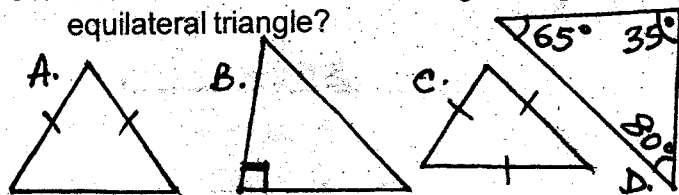
Km	m	A. 60km	329m
42	680	B. 60km	229m
+ 17	649	C. 59km	329m
		D. 59km	1229m
22. Find the measure of angle m?
 - A. 43°
 - B. 90°
 - C. 47°
 - D. 80°



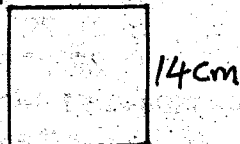
23. Add $16.07 + 59.683 + 7.05 =$
 - A. 82.703
 - B. 82.603
 - C. 62.803
 - D. 82.803

24. Write down number 47 in roman numbers.
 A. XLVII B. LXVII C. XLIV D. XXLIV
25. A bottle has 7.5litres of a liquid. What is the capacity of the liquid in millilitres?
 A. 750ml B. 75ml
 C. 7500ml D. 75000ml
26. Write the fraction in its simplest form $\frac{12}{18}$
 A. $\frac{6}{9}$ B. $\frac{4}{6}$ C. $\frac{2}{3}$ D. $\frac{2}{8}$
27. Which one is heavier? 750g of salt or $\frac{3}{4}$ kg of sugar?
 A. Salt B. Same C. Sugar D. None
28. Mwaniki bought the following items in a shop. 5 glasses at sh. 20 each, 4 spoons at sh. 15 each, 2 loaves of bread at sh. 40 each. What was his bill?
 A. sh. 75 B. sh. 140 C. sh. 220 D. sh. 240
29. Divide $7345 \div 14 =$
 A. 524 rem 9 B. 5249
 C. 524 D. 524 rem 90
30. Find the Least Common Multiple (LCM) of 6, 9 and 12.
 A. 3 B. 36 C. 6 D. 12

31. Which one of the following triangles is an equilateral triangle?



32. Find the perimeter of the square below.



- A. 196cm
 B. 56cm
 C. 14cm
 D. 28cm

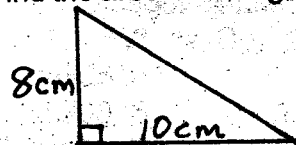
33. Subtract 27395 from 700038

- A. 727433 B. 672643
 C. 672763 D. 672688

34. Omondi took $1\frac{1}{2}$ hours to travel from Nyeri to Nanyuki, then $2\frac{1}{4}$ hours to travel from Nanyuki to Isiolo. How long did the whole journey take?

- A. $3\frac{3}{6}$ hrs B. 3hrs C. $3\frac{1}{4}$ hrs D. $3\frac{3}{4}$ hrs

35. Find the area of the right-angled triangle.



- A. 40cm
 B. 80cm²
 C. 40cm²
 D. 18cm²

36. Take away 8.02 from 16.306

- A. 8.286 B. 8.326 C. 15.504 D. 8.304

37. Change 1hour 35minutes into minutes.

- A. 35minutes B. 25minutes
 C. 135minutes D. 95minutes

38. Work out: $3\frac{1}{4} \times 4$

- A. 12 B. $12\frac{1}{4}$ C. 13 D. $3\frac{1}{2}$

39. How many days are there in the months of June, July, August and September?

- A. 120days B. 123days
 C. 121days D. 112days

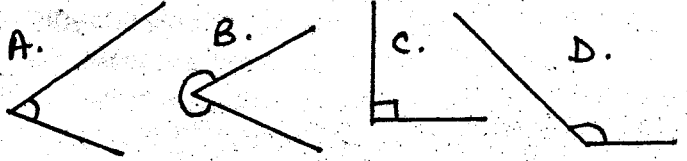
40. A piece of wire is 5m 45cm. What is the length of 5 such pieces?

- A. 27m 25cm B. 25m 05cm
 C. 25m 25cm D. 275m 05cm

41. How many $\frac{1}{4}$ litre bottles of water are needed to fill a 2-litre jug?

- A. 6 B. 8 C. 10 D. 4

42. Which of the following is a reflex angle?



43. Divide $5 \overline{) \text{sh. } 526 \text{ 25cts}}$

- A. sh. 105 25cts B. sh. 10 525cts
 C. sh. 15 25cts D. sh. 105

44. Add 54820kg to 19435kg

- A. 73255kg B. 35385kg
 C. 74255kg D. 63255kg

45. Simplify: $8a + 16b + 10a + 3c + b$

- A. $18a + 17b + 3c$
 B. $24ab + 13ac + b$
 C. $10a + 16b + 3c + b$
 D. $8a + 16b + 10a + 3c + b$

46. Work out:

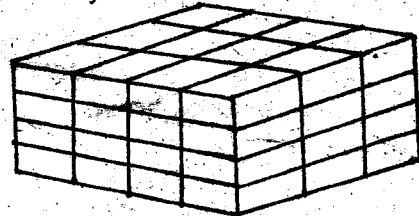
H	min
6	45
+1	27
<hr/>	

- A. 7hr 72min
 B. 8hr 12min
 C. 7hr 12min
 D. 6hr 12min

47. Which of the following are odd numbers only?

- A. 202,495 B. 1001,4008
 C. 945,557 D. 663,742

48. How many small cubes make the following stack?

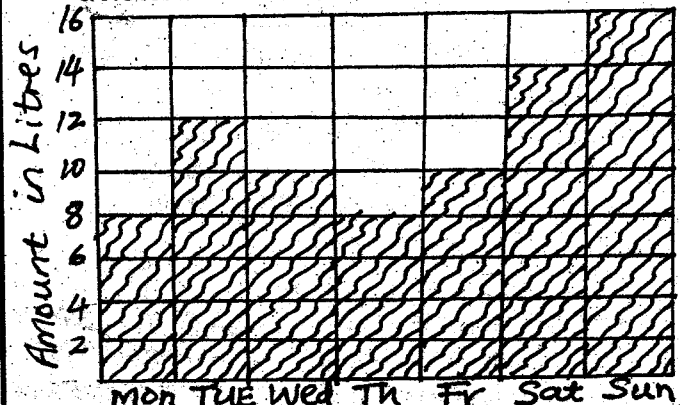


- A. 40 B. 58 C. 30 D. 48

49. Arrange the following fractions starting with the smallest $\frac{1}{5}, \frac{1}{7}, \frac{1}{3}, \frac{1}{4}$

- A. $\frac{1}{7}, \frac{1}{5}, \frac{1}{4}, \frac{1}{3}$ B. $\frac{1}{5}, \frac{1}{4}, \frac{1}{3}, \frac{1}{7}$
 C. $\frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{7}$ D. $\frac{1}{4}, \frac{1}{3}, \frac{1}{7}, \frac{1}{5}$

50. The graph below show the amount of milk sold to a hotel in a week.



- How many litres of milk were sold altogether?
 A. 72 B. 48 C. 78 D. 62