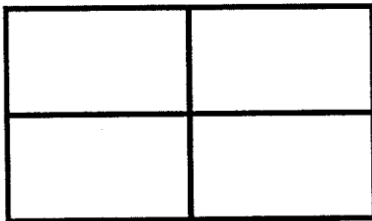


STANDARD SIX

MATHEMATICS

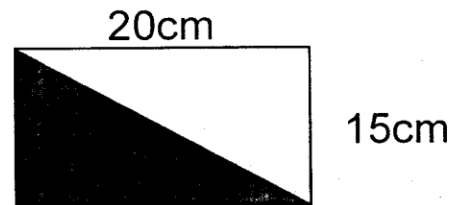
Time: 2 hours

- Which of the following numbers is five million seventy thousand and fifteen?
A. 5070015 B. 507105
C. 50715 D. 5000715
- Round off 26873 to the nearest hundred.
A. 26870 B. 27000
C. 26900 D. 26000
- There were 8493 people in the church in the morning. After two hours, 798 left but 205 more people entered. How many people were in the church at the end?
A. 7695 B. 8288
C. 9086 D. 7900
- How many rectangles can we get from the figure below?

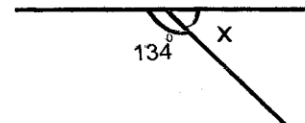


- A. 4 B. 5
C. 9 D. 8
- What is the next number in the series below?
8, 10, 14, 20, ____
A. 28 B. 36
C. 42 D. 30
- What is the sum of the L.C.M and G.C.D of 24, 30 and 36?
A. 360 B. 6
C. 366 D. 354
- Work out the value of: $7^2 - \sqrt{225}$
A. 49 B. 34
C. 64 D. 15

- Kisuu had sh.6666 which she used to buy some packets of milk. If each packet costs sh. 33, how many packets did she buy?
A. 202 B. 220
C. 2002 D. 2020
- Work out: $20 - 5 + 3 + 10$
A. 15 B. 28
C. 55 D. 25
- What is the area of the shaded region in the figure below?



- A. 70cm² B. 35cm²
C. 150cm² D. 300cm²
- Which one of the following numbers is divisible by 8?
A. 9468 B. 9248
C. 9554 D. 9044
- Convert 14km 50meters into metres only?
A. 1450m B. 14500m
C. 14005m D. 14050m
- What is the size of angle x in the figure below?



- A. 46° B. 180°
C. 134° D. 56°
- Write $\frac{12}{15}$ as a percentage.
A. 40% B. 90%
C. 80% D. 60%

15. Which is the greatest number that can divide 24, 36 and 40 without a remainder?

A. 360 B. 100
C. 8 D. 4

16. Jonadab bought 3 shirts at sh. 90 each. He sold them at sh. 110. What was his total profit?

A. Sh. 200 B. Sh. 330
C. Sh. 60 D. Sh. 30

17. What is the total value of digit 8 in the number 310.038?

A. 8 B. 80
C. 0.08 D. 0.008

18. Arrange the following from the smallest to the largest.

$$\frac{2}{5}, \frac{3}{4}, \frac{1}{6}, \frac{2}{3}$$

A. $\frac{1}{6}, \frac{2}{5}, \frac{2}{3}, \frac{3}{4}$ B. $\frac{2}{5}, \frac{1}{6}, \frac{3}{4}, \frac{2}{3}$

C. $\frac{1}{6}, \frac{2}{5}, \frac{3}{4}, \frac{2}{3}$ D. $\frac{3}{4}, \frac{2}{3}, \frac{2}{5}, \frac{1}{6}$

19. Work out: $4037 \times 124 =$

A. 54188 B. 500588
C. 5058 D. 41610

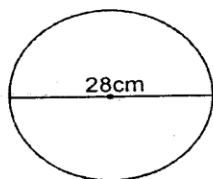
20. How many hours and minutes are there from 11.25am to 1.30pm?

A. 1hr 15min B. 1hr 45min
C. 2hrs 05min D. 3hrs 45min

21. What is the value of: $\frac{2}{3} + \frac{5}{16} + \frac{3}{8}?$

A. $1\frac{17}{48}$ B. $\frac{10}{27}$
C. $\frac{47}{48}$ D. $\frac{5}{6}$

22. What is the circumference of the circle below?



A. 88cm B. 44cm
C. 28cm D. 22cm

23. How many $\frac{1}{4}$ litre bottles can give a total of 48L?

A. 12 B. 192
C. 24 D. 96

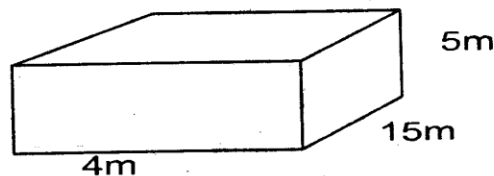
24. How many prime numbers are there between 90 and 100?

A. 3 B. 1
C. 24 D. 4

25. Kieti had 12kg of rice. He packed the rice into 250g packets. How many small packets did he get?

A. 48 B. 4800
C. 48000 D. 480

26. Find the volume of the cuboid below.

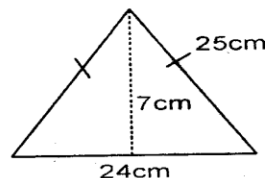


A. $24m^3$ B. $30m^3$
C. $300m^3$ D. $3000m^3$

27. Hem had x pens. His sister had 5 pens more than him. How many pens does his sister have?

A. 5x B. $5 + x$
C. $5 - x$ D. $\frac{5}{x}$

28. Find the area of the triangle below.



A. $84cm^2$ B. $168cm^2$
C. $74cm^2$ D. $600cm^2$

29. What is the value of: $2\frac{1}{2} \div 1\frac{1}{4}?$

A. $3\frac{1}{8}$ B. $1\frac{2}{3}$
C. $\frac{1}{2}$ D. 2

30. What is the square root of 2.25?

- A. 15 B. 25
C. 1.5 D. 125

31. Write 48 in Roman numbers.

- A. LXII B. LIVII
C. LVIII D. XLVIII

32. Convert 8640 seconds into hours.

- A. 12hrs B. 24hrs
C. 144hrs D. $2\frac{2}{5}$ hrs

33. How many days were there in the months of January, February and March in the year 2018?

- A. 90 B. 91
C. 89 D. 92

34. Weko bought a bag of maize for sh. 1200. He later sold it for sh. 850. What was his total loss?

- A. Sh. 450 B. Sh. 2050
C. Sh. 250 D. Sh. 350

35. Work out:

Sh	cts
2280	85
+423	68
<hr/>	

- A. Sh. 2704 53 cts
B. Sh. 2703 153 cts
C. Sh. 2604 153 cts
D. Sh. 2603 53 cts

36. Using a ruler and a protractor, draw triangle PQR in which line PR=QR=6cm and angle RPQ=65°. What is the size of angle QRP?

- A. 50° B. 130°
C. 65° D. 54°

37. Express 2.06 as a fraction in its simplest form.

- A. $2\frac{3}{5}$ B. $2\frac{2}{50}$
C. $2\frac{3}{50}$ D. $3\frac{2}{50}$

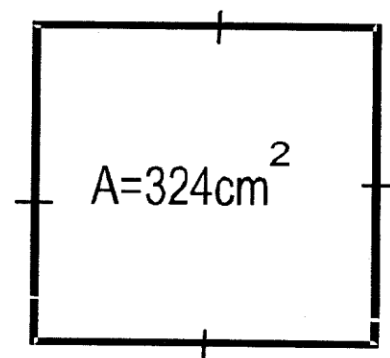
38. Which one of the following statements is **not true** about an equilateral triangle?

- A. All sides are equal.
B. Each interior angle is 60°.
C. The sum of its interior angles is 180°.
D. One of its angles is an obtuse angle.

39. A farmer has 26 cows. Each cow produces 13 litres of milk daily. How many litres do all cows produce in 2 days?

- A. 338L B. 676L
C. 78 L D. 52L

40. Shiko's piece of land is in the shape shown below. If its area is 324m², what is its perimeter?



- A. 18m B. 36m
C. 72m D. 18m

41. What is the reciprocal of $3\frac{4}{7}$?

- A. $\frac{25}{7}$ B. $\frac{7}{25}$
C. $4\frac{3}{7}$ D. $3\frac{7}{4}$

42. Add:

- 24.6 + 0.375 + 51.3254
A. 76.3904 B. 76.3004
C. 75.3004 D. 76.304

43. Work out:

t	kg	g
4	300	200
- 1	400	742

- A. 3t 100kg 542g
B. 3t 900kg 458g
C. 2t 90kg 542g
D. 2t 899kg 458g

44. What is 60% of 720?

- A. 432 B. 4302
C. 4320 D. 43

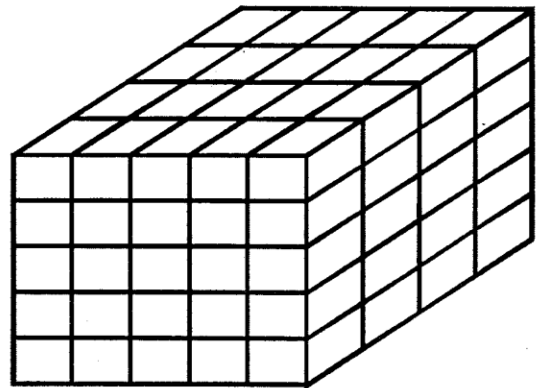
45. Find the product of $7\frac{1}{2}$ and $\frac{2}{5}$

- A. $7\frac{1}{10}$ B. $7\frac{9}{10}$
C. $18\frac{3}{4}$ D. 3

46. Nyikuri bought the following items from the shop.

- 2kg sugar @ sh.74
 - 3kg beans @ sh.70
 - 2 tray of eggs for sh. 600
- How much did he pay for all the items?
- A. Sh. 744 B. Sh. 1558
C. Sh. 958 D. Sh. 751

47. How many cubes have been used to make the stack below?



- A. 100 B. 50
C. 80 D. 125

48. The scale 1:5000000 means that:-

- A. 1cm represents 500m
B. 1cm represents 5km
C. 1cm represents 5000m
D. 1cm represents 50km

49. Find the value of x in the magic square below.

11	x	9
6		10
7	12	

- A. 24
B. 4
C. 8
D. 5

50. What is $\frac{3}{7}$ of 5600?

- A. 800 B. 2100
C. 2400 D. 700