

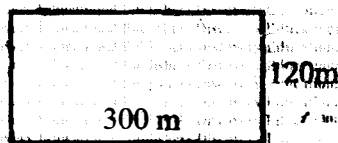
STANDARD SEVEN

2020

MATHEMATICS

Time: 2 hours

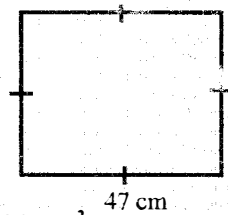
1. Which one of the following number is five hundred and fifty thousands two hundred and twenty five in figures?
A. 555 225
B. 550 225
C. 550 220
D. 555 222
2. What is the place value of digit 3 in the number 24.835?
A. Hundreds
B. Hundredths
C. Tenth
D. Thousandths
3. Round off 27 529 to the nearest thousands.
A. 28 000
B. 27 000
C. 27 500
D. 30 000
4. Koni ran round the field below twice. What distance did he cover?



- A. 3 360m
- B. 420m
- C. 840m
- D. 1 680m

5. What is the next number in the series 3, 9, 27, ____
A. 81
B. 30
C. 29
D. 54
6. Juliet bought a watch for Shs. 500 and sold it for Shs. 620. What was her percentage profit?
A. 120%
B. 80.6%
C. 24%
D. 38.7%
7. What is the G.C.D of 12, 24 and 36?
A. 12
B. 72
C. 6
D. 36
8. Solve for the value of x:
 $\frac{1}{3}x + 8 = 11$
A. 1
B. 9
C. 6
D. 57
9. Put the correct inequality symbol.
 $10.33 + 0.33$ ____ $10.33 - 0.33$
A. =
B. <
C. >
D. None

10. What is the area of the figure below?



- A. $2\,902\text{cm}^2$
- B. $2\,209\text{cm}^2$
- C. 188cm^2
- D. $2\,413\text{cm}^2$

11. Arrange the following fraction 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. $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}, \frac{7}{8}$
- C. $\frac{2}{3}, \frac{3}{4}, \frac{7}{8}, \frac{5}{6}$
- D. $\frac{3}{4}, \frac{5}{6}, \frac{7}{8}, \frac{2}{3}$

12. Work out;

t	kg	g
2	13	72
1	786	928
+ 4	275	311

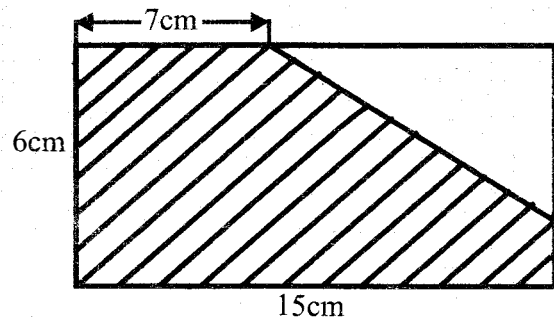
- A. 8t 74kg 311g
- B. 8t 75kg 311g
- C. 8t 75kg 11g
- D. 7t 74kg 311g

13. Work out;

$$2\,730 + 999 - 560$$

- A. 3 169
- B. 429
- C. 3 729
- D. 2 170

14. What is the area of the shaded part in the figure?

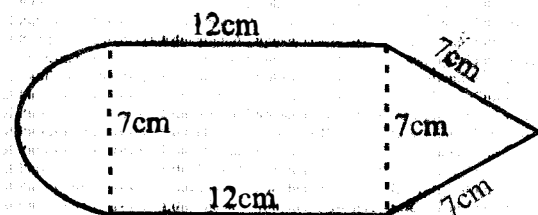


- A. 24cm^2
- B. 21cm^2
- C. 45cm^2
- D. 66cm^2

15. Which of the following numbers has the smallest value?

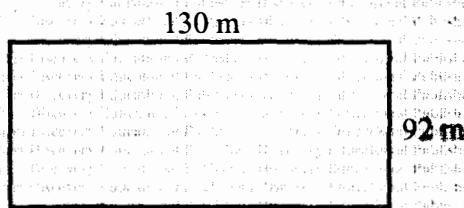
- A. 2 220 020
- B. 202 202
- C. 220 220
- D. 202 022

16. Find the perimeter of the figure below.
(Take $\pi = \frac{22}{7}$)



- A. 42cm
- B. 49cm
- C. 56cm
- D. 63cm

17. What is the area of the rectangle below in hectares?



- A. 11 960ha
B. 11.96ha
C. 1.196ha
D. 119.6ha

18. Simplify; $5\frac{3}{4}x + 7\frac{1}{8}y - 2\frac{1}{4}x + 1\frac{1}{2}y$

- A. $3\frac{1}{2}x - 2\frac{3}{8}y$
B. $3\frac{1}{2}y + 2\frac{3}{8}x$
C. $3\frac{1}{2}x + 2\frac{3}{8}y$
D. $3\frac{1}{2}y - 2\frac{3}{8}x$

19. What is; $8 - 3 + 5$

$$4 + 2$$

- A. $1\frac{2}{3}$
B. $\frac{6}{10}$
C. $\frac{7}{3}$
D. $2\frac{2}{3}$

20. Convert; $4\frac{1}{4}m^3$ into Centimeters Cubic.

- A. 4 250cm³
B. 42 500cm³
C. 425 000cm³
D. 4 250 000cm³

21. What is the length of a square whose area is 1 296m²?

- A. 36m
B. 72m
C. 46m
D. 32m

22. What is the square root of; $\sqrt{0.0625}$

- A. 0.25
B. 0.5
C. 0.05
D. 0.0025

23. A school bus travel at a uniform speed of 55km/ hr from 7.30am to 9.30am. How many kilometres did it cover?

- A. 110km
B. 165km
C. 100km
D. 240km

24. What is the sum of the faces and vertices of an open cuboid?

- A. 13
B. 14
C. 15
D. 17

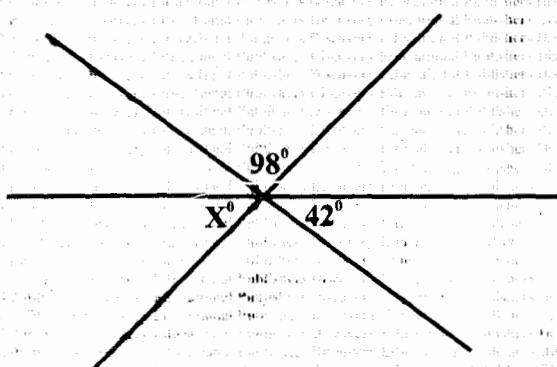
25. A family uses two 500ml packets of milk every day. How many litres do they use in a month?

- A. 2L
B. 20L
C. 28L
D. 14L

26. What is the sum of the complement of 29° and the supplement of 89° ?

- A. 118°
- B. 152°
- C. 160°
- D. 62°

27. Calculate the size of the angle marked X in the figure.

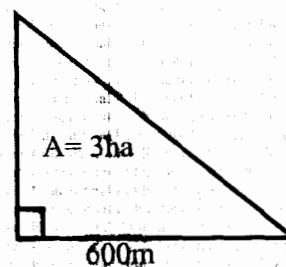


- A. 80°
- B. 40°
- C. 42°
- D. 82°

28. What is the product of XX and IV?

- A. LXXX
- B. LXX
- C. VX
- D. XXIV

29. Calculate the height of triangle below whose area is 3ha .



- A. 100m
- B. 200m
- C. 10m
- D. 300m

30. A box measures 2m by 0.2m by 0.5m . Find its volume.

- A. 20m^3
- B. 2m^3
- C. 200cm^3
- D. 0.2m^3

31. 400 bags of maize each weighing 90kg were sold to a certain shopkeeper. How many tonnes were sold?

- A. 3 600tonnes
- B. 36tonnes
- C. 30t
- D. 3.6tonnes

32. Simplify; $5(2y + 3k) + 4(3k - y)$

- A. $27k + 6y$
- B. $6y - 3k$
- C. $14y + 15k$
- D. $6y + 12k$

33. Calculate the value of K in the magic square below.

8	1	6
3	K	
4	9	2

- A. 6
B. 7
C. 5
D. 4

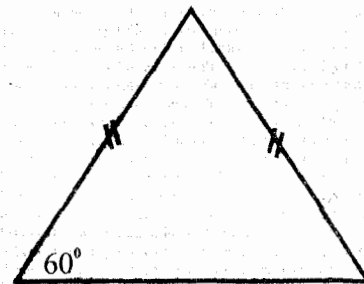
34. A man bought a watch for Shs. 125 and sold it at Shs 150. What was his percentage profit?

- A. $16\frac{2}{3}\%$
B. 80%
C. 20%
D. 75%

35. Oscar covered a distance of 280km in 4hrs. What was his speed in km/ hr?

- A. 28km/hr
B. 70km/hr
C. 7km/hr
D. 140km/hr

36. What is the name given to the triangle shown below?



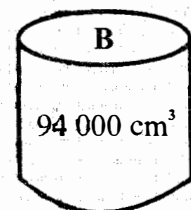
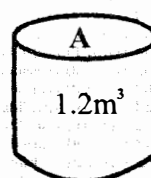
- A. Equivalent triangle
B. Isosceles triangle
C. Scalene triangle
D. Right angled triangle

37. What is the name given to the angle?



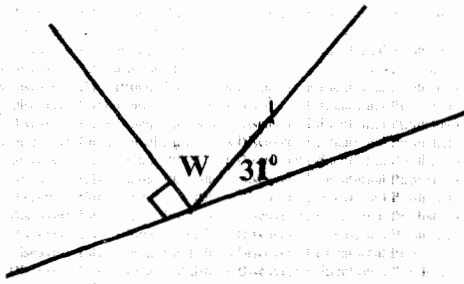
- A. Reflex angle
B. Obtuse angle
C. Acute angle
D. Right angled triangle

38. Which of the two containers holds more water?



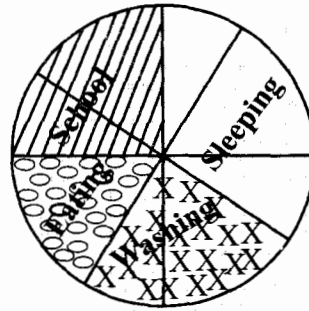
- A. A
B. None
C. B
D. Equal

39. What is the size of angle marked W in the figure below?



- A. 59°
 B. 14°
 C. 149°
 D. 95°
40. Find the sum of; $\sqrt{196} + 4^3$
- A. 22
 B. 198
 C. 18
 D. 30
41. Which one of the following number is divisible by 8?
- A. 7 204
 B. 4 812
 C. 3 000
 D. 350

42. The pie chart below shows how Liza used her day.



How many hours did she spend washing?

- A. 9
 B. 6
 C. 3
 D. 12
43. Convert; 80% as a fraction.
- A. $\frac{8}{10}$
 B. $\frac{8}{100}$
 C. $\frac{4}{5}$
 D. $\frac{2}{5}$
44. Work out; $\frac{27}{36} \div \frac{9}{12}$
- A. $2\frac{1}{4}$
 B. $\frac{2}{3}$
 C. $\frac{3}{4}$
 D. 1
45. Express; 7% as a decimal.
- A. 0.07
 B. 0.7
 C. 0.007
 D. 7.0

46. If 1cm represents 80m, how many metres will be represented by 5cm?

A. 40m
B. 500m
C. 400m
D. 450m

47. Divide; $9 \overline{) 21\,006}$

A. 2 334
B. 2 431 rem 16
C. 234
D. 3 234

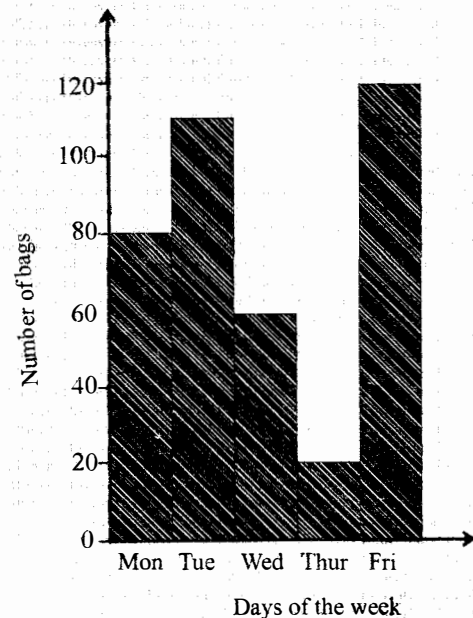
48. Amina spends 480 seconds to walk from her home to school. How many minutes does she take to walk from home to school?

A. 9 minutes
B. 8 minutes
C. 20 minutes
D. 12 minutes

49. What is the least number that should be subtracted from 740 214 to make it divisible by 8?

A. 6
B. 2
C. 5
D. 3

50. The graph below shows the number of bags of rice sold by a shopkeeper in a week.



- How many bags of rice did he sell in the first three days of the week?

A. 200
B. 400
C. 250
D. 390