
STANDARD SIX YEAR 2016

END-TERM 2, MATHEMATICS PAPER TIME: 1HR-40MINS

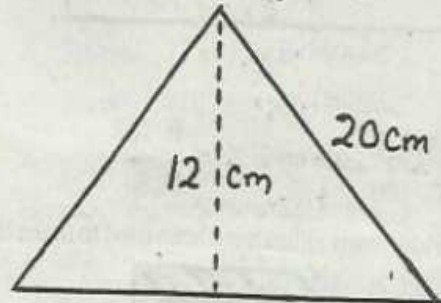
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MATHEMATICS

TIME: 2HRS.

- Write one hundred and twenty thousand and five in symbols
A. 120005 B. 125000
C. 105200 D. 120050
- What is the place value of digit 6 in 6403215?
A. hundred thousands
B. ones
C. millions
D. thousands
- In a county there are 6028143 people out of these 2839256 are adults, how many children are there?
A. 4188887
B. 8867399
C. 3188887
D. 8866399
- Round off the product of 893 and 604 to the nearest thousands.
A. 539372
B. 539000
C. 540000
D. 530000
- Add: $6.89 + 24.32$ and write your answer to one decimal place.
A. 31.2 B. 31.1
C. 31.3 D. 31.4
- What is the total value of digit 2 in 10.32.
A. 0.2 B. $\frac{2}{10}$
C. hundredths D. $\frac{2}{100}$
- How many hundreds are there in the number 143219
A. 3 B. 2
C. 1 D. 4

- What is the area of the figure below

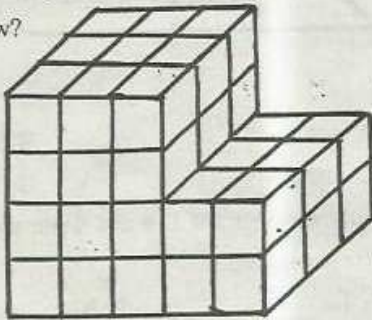


- A. 360 cm^2 B. 120 cm^2
C. 108 cm^2 D. 216 cm^2
- Subtract 69 from 119 and write your answer in Roman numerals
A. L B. XL
C. LX D. XXL
 - Which of the following numbers is divisible by 8?
A. 9266 B. 8188
C. 36552 D. 99110
 - Simplify: $7y + 8z - 7y + 4z$
A. $14y + 4z$ B. $4z$
C. $12z$ D. $14y + 1z$
 - How many $\frac{3}{4}$ kg packets can be packed from 900 kg sack of rice?
A. 1200 B. 225
C. 675 D. 1000
 - A flight took 6780 seconds how many hours and minutes were these?
A. 1h 15 min B. 1hr 53 min
C. 2 hr 10 min D. 6h 78 min
 - Change: 0.75 as a fraction into the simplest form
A. $1\frac{1}{3}$ B. $\frac{3}{4}$
C. $\frac{5}{7}$ D. $\frac{2}{5}$

15. The area of the rectangle below is 9120cm^2 . Calculate its length



- A. 120 B. 102
C. 100 D. 80
16. How many cubes have been used to make the stack below?

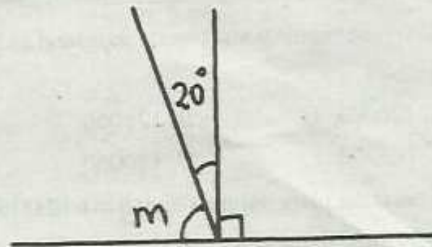


- A. 36cm B. 48cm
C. 60cm D. 24cm
17. Aggrey spent 40% of his salary of Shs. 18000 as transport, how much remained?
- A. Shs. 10800
B. Shs. 9600
C. Shs. 11200
D. Shs. 7200
18. What is the reciprocal of $7\frac{2}{3}$?
- A. $\frac{21}{3}$ B. $\frac{3}{21}$
C. $\frac{23}{3}$ D. $\frac{3}{23}$
19. Work out: $6\frac{1}{5} + 2\frac{3}{8}$
- A. $8\frac{40}{47}$ B. $8\frac{3}{21}$
C. $9\frac{7}{40}$ D. $9\frac{1}{40}$
20. Find the perimeter of a square whose area is 676cm^2
- A. 104cm B. 64cm
C. 72cm D. 96cm

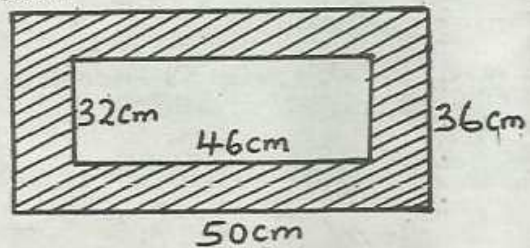
21. Find the product of the LCM and GCD of 8, 20 and 24?

- A. 240 B. 120
C. 70 D. 480

22. What is the value of angle marked m



- A. 60° B. 90°
C. 70° D. 45°
23. Work out: $3\frac{2}{9} - 1\frac{4}{5}$
- A. $2\frac{2}{9}$ B. $2\frac{1}{2}$
C. $1\frac{19}{45}$ D. $1\frac{29}{45}$
24. What is the area of the shaded part in the figure below?



- A. 1800 cm^2 B. 328 cm^2
C. 1472 cm^2 D. 600 cm^2
25. Work out: $\frac{1}{4}$ of 884
- A. 222 B. 121
C. 221 D. 220
26. Convert: $\frac{8}{25}$ into a percentage
- A. 32% B. 24%
C. 16% D. 12%
27. Arrange the fraction: $\frac{5}{8}, \frac{1}{2}, \frac{3}{4}, \frac{5}{6}$ in order from the largest
- A. $\frac{1}{2}, \frac{3}{4}, \frac{5}{6}, \frac{5}{8}$ B. $\frac{5}{8}, \frac{5}{6}, \frac{3}{4}, \frac{1}{2}$
C. $\frac{5}{6}, \frac{3}{4}, \frac{5}{8}, \frac{1}{2}$ D. $\frac{5}{6}, \frac{5}{8}, \frac{3}{4}, \frac{1}{2}$

28. There are 75 pupils in Std. 6. If three fifths are boys how many girls are in the class?

- A. 45 B. 25
C. 30 D. 28

29. Calculate: $2\frac{2}{3} + 3\frac{1}{5}$

- A. $1\frac{1}{6}$ B. $1\frac{1}{5}$
C. $\frac{5}{6}$ D. $\frac{2}{3}$

30. What is the next number in the sequence

25, 49, 121, 169, _____

- A. 196 B. 225
C. 256 D. 289

31. Wakesho bought the following items:

2kg tomatoes @ Shs. 55

1kg onions @ Shs. 96

$\frac{1}{2}$ kg peas @ Shs. 120 per kg

She gave the shopkeeper 1000 shillings note, how much balance was she given?

- A. Shs. 734
B. Shs. 834
C. Shs. 794
D. Shs. 894

32. Find the value of x

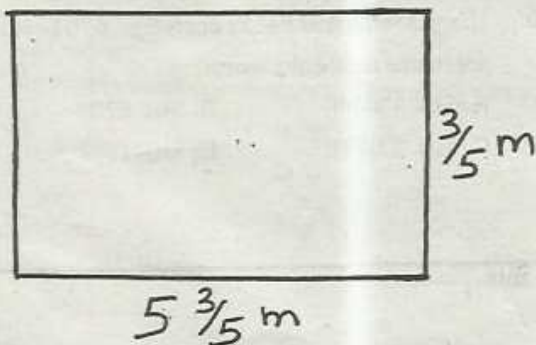
$$\frac{4}{5}(15x - 5) = 11$$

- A. $\frac{4}{5}$ B. $1\frac{1}{4}$
C. $\frac{3}{4}$ D. $1\frac{2}{3}$

33. What is the sum of prime numbers between 20 and 50

- A. 70 B. 251
C. 300 D. 339

34. Find area of the figure below.



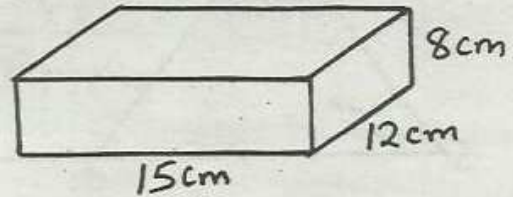
A. $5\frac{9}{25}m^2$

B. $9\frac{1}{3}m^2$

C. $4\frac{1}{2}m^2$

D. $3\frac{9}{25}m^2$

35. Find the volume of the cuboid below



A. $1200cm^3$

B. $860cm^3$

C. $920cm^3$

D. $1440cm^3$

36. A lesson started at 11.40am and ended at 1.10pm.

How long did the lesson take?

A. $1\frac{1}{2}h$

B. $1\frac{1}{3}h$

C. $1\frac{1}{4}h$

D. $1\frac{2}{3}h$

37. Work out:

Kg	g
40	320
x	5

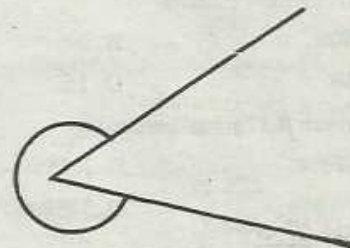
A. 200kg 1600g

B. 210kg 600g

C. 210kg 160g

D. 201kg 600g

38. Name the type of angle shown below



A. Reflex

B. Acute

C. Obtuse

D. Right

39. Work out: $\sqrt{441} + 12^2$

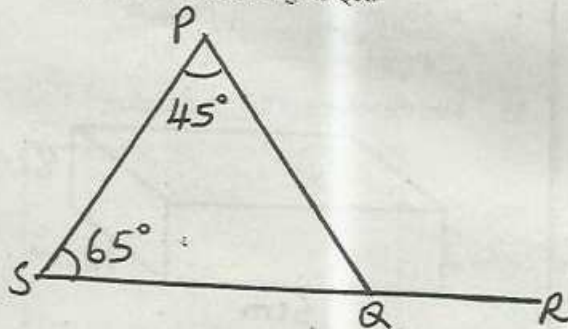
A. 45

B. 165

C. 144

D. 155

40. What is the value of angle PQR.



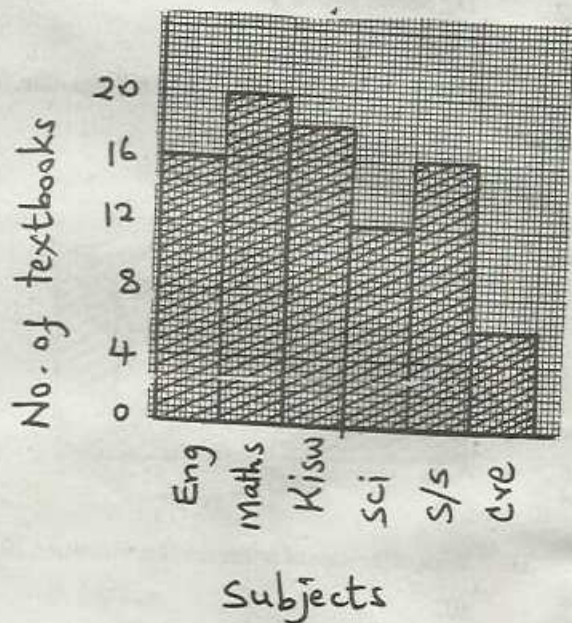
- A. 100° B. 110°
 C. 70° D. 120°
41. Convert $\frac{47}{50}$ into a decimal.
 A. 9.4 B. 47.5
 C. 0.094 D. 0.94
42. Find the circumference of the circle below.



- A. 44cm B. 28cm
 C. 88cm D. 176cm
43. In a map 1 cm represents 5km, how many centimetres will represent 120km
 A. 600 B. 24
 C. 30 D. 15
44. Convert: 0.375 into percentage
 A. 375% B. 3.75%
 C. 37.5% D. 37%
45. Find: $\sqrt{2\frac{1}{4}} + (1\frac{1}{2})^2$
 A. $1\frac{1}{2}$ B. $3\frac{3}{8}$
 C. $3\frac{1}{2}$ D. $3\frac{3}{4}$

46. Which of the following statements is false about an isosceles triangle
 A. two sides are equal
 B. two angles are equal
 C. angles add upto 180°
 D. has a right angle
47. Work out: 0.08×0.4
 A. 0.032 B. 0.32
 C. 3.2 D. 0.0032
48. A plot of land measures 240 metres by 50 metres. Find its area in Ares
 A. 1200 B. 12
 C. 120 D. 1.2

The graph below shows the number of text books in a class



49. How many text books are there altogether?
 A. 60 B. 58
 C. 64 D. 88
50. If one Maths text books costs Shs. 670 how much are maths textbooks worth?
 A. Shs. 13400 B. Shs. 6700
 C. Shs. 12000 D. Shs. 1680