

GRADE 7 MID TERM 2 MAY 2022

MATHEMATICS

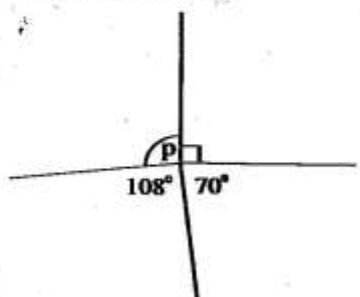
TARGETER WINGS STANDARD SEVEN - YEAR 2022

CONTINUOUS ASSESSMENT TEST

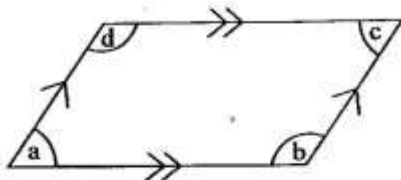
MATHEMATICS



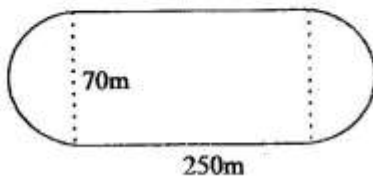
TIME: 2 hours

- What is 4404440 written in words?
A. Four million forty thousand four hundred and forty.
B. Forty four million forty thousand four hundred and forty.
C. Four million four hundred and four thousand four hundred and four.
D. Four million four hundred and four thousand four hundred and forty.
- What is the place value of digit 5 after dividing 7 by 8?
A. Thousandths.
B. Hundredths.
C. Tenths.
D. Tens of thousandths.
- Round off 59.897 to the nearest hundredths.
A. 59.99 B. 60.00
C. 59.90 D. 60.90
- What is the least number that can be added to 528591 to make it divisible by 11?
A. 1 B. 3
C. 2 D. 4
- What is the shortest possible length of a string which can be cut into equal pieces measuring 30cm, 45cm and 60cm?
A. 90cm B. 60cm
C. 120cm D. 180cm
- Work out: $5\frac{3}{4} + 6\frac{1}{3} + 8\frac{1}{2}$
A. $20\frac{1}{12}$ B. $12\frac{5}{12}$
C. $20\frac{7}{12}$ D. $13\frac{1}{12}$
- Solve the value of x in the equation $9(2 + \frac{1}{3}x) = x + 30$
A. 30 B. 6
C. 15 D. 24
- What is the size of the angle labelled P in the diagram below?

A. 72° B. 182°
C. 110° D. 92°
- The sum of two numbers is 8734. One of this numbers is 2803. What is the value of the other number?
A. 11537 B. 2965
C. 5931 D. 5921
- A dairy farmer had 324 dairy cows. Each cow produces 17 litres of milk everyday. How many litres do the cows produce in two days?
A. 5508L B. 11016L
C. 341L D. 682L
- Work out the square root of $10\frac{6}{25}$
A. $\frac{16}{25}$ B. $\frac{4}{25}$
C. $1\frac{1}{4}$ D. $\frac{16}{5}$
- The area of a triangle is 54cm^2 . Its base length measures 9cm. What is its height?
A. 12cm B. 3cm
C. 6cm D. 9cm
- Given that $x = 7$, $y = 4$ and $z = 5$. What is the value of $2(2x - y) + (3z - x)$?
A. 35 B. 12
C. 28 D. 27

14. Which one of the following statements is true about the figure below?



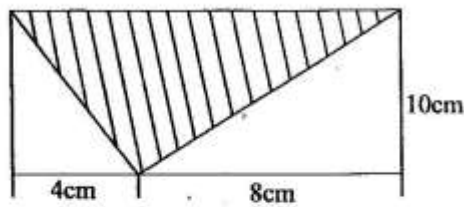
- A. It has one pair of parallel lines.
 B. Angles d and b adds up to 180° .
 C. Diagonals bisect at right angle.
 D. Angles b and c adds up to 180° .
15. Simplify:
 $9t - 7 > 5t + 13$
 A. $t < 4$ B. $t > 5$
 C. $t < 3$ D. $t > 6$
16. Construct triangle ABC in which line $BC=6\text{cm}$, $AB = 7\text{cm}$ and angle $ABC = 70^\circ$. What is the measure of line AC?
 A. 7.4cm B. 6.5cm
 C. 8.0cm D. 7.9cm
17. A train left Gilgil at 12.05pm and arrived at Limuru at 1.35pm. The distance between the two towns is 150km. What was the speed of the train in km/h?
 A. 50km/h B. 75km/h
 C. 30km/h D. 100km/h
18. A bookseller sold a textbook for sh. 600 making a loss of sh. 150. What was his percentage loss?
 A. $33\frac{1}{3}\%$ B. 20%
 C. 150% D. 15%
19. A staff meeting ended at 3.25pm. If the meeting had started at 12.30pm, how long did it take?
 A. 9hrs 5mins B. 2hrs 55mins
 C. 3hrs 5mins D. 2hrs 5mins
20. How many kilometres will Kiptoo cover after going round the figure drawn below twice?



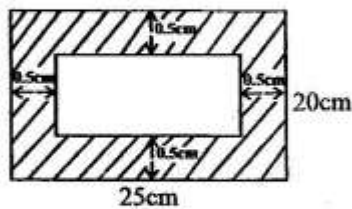
- A. 720 B. 1.22
 C. 1420 D. 1.44

21. A rectangular tank measures 6m on the length. Its width is 5m while its height is 2m. What is its volume in cubic centimetres?
 A. 60000000 B. 600000
 C. 6000 D. 60
22. A farmer packed maize into 6 bags. The bags weighed 72kg, 70kg, 80kg, 84kg, 90kg and 60kg. What is the average mass of the six bags in kilograms?
 A. 90kg B. 82kg
 C. 76kg D. 60kg
23. Teddy bought a pair of shoes for sh. 720. He later sold it making a profit of 15%. What was its selling price?
 A. sh. 108 B. sh. 828
 C. sh. 612 D. sh. 735
24. A carton was packed with 10 packets of maize flour each weighing 750g and 12 packets of wheat flour each weighing 1kg. What was the total mass of the maize and wheat flour in the carton?
 A. 19.5kg B. 87kg
 C. 7512kg D. 762kg
25. Mulila's plot is in form of a triangle. Its base length measures 72m while its height measure 150m. What is the area of the plot in hectares?
 A. 54000 B. 5400
 C. 5.4 D. 0.54
26. The area of a square is 64cm^2 . What is its perimeter?
 A. 8cm B. 32cm
 C. 128cm D. 256cm
27. What is the total value of digit 4 after working out $9 - 3.246$?
 A. 0.004 B. 0.04
 C. 0.4 D. 0.040
28. Which one of the following statements is correct?
 A. 5tonnes $< 2500\text{kg}$
 B. $150\text{ml} = 1.5\text{L}$
 C. $1\text{m}^2 = 1000\text{cm}^2$
 D. $0.2\text{kg} > 99\text{g}$
29. What is the sum of the faces, vertices and edges of a closed cuboid?
 A. 14 B. 27
 C. 26 D. 28

30. Calculate the area of the shaded part in the figure below



- A. 40cm^2 B. 60cm^2
 C. 80cm^2 D. 120cm^2
31. Simplify the following:
 $3(x+2y+6) + x-3$
 A. $4x+6y+15$ B. $4x+6y-15$
 C. $4x+6y+21$ D. $4x+6y-21$
32. What is the next number in the pattern
 8, 10, 13, 18, 25, _____?
 A. 36 B. 35
 C. 33 D. 32
33. In a certain school 55% of the pupils were girls. How many more girls than boys were there if the school had an enrolment of 480 pupils?
 A. 216 B. 264
 C. 48 D. 24
34. What is the circumference of a circle whose diameter is 3.5cm?
 A. 22cm B. 220cm
 C. 110cm D. 11cm
35. What is the area of the shaded part in the figure below?

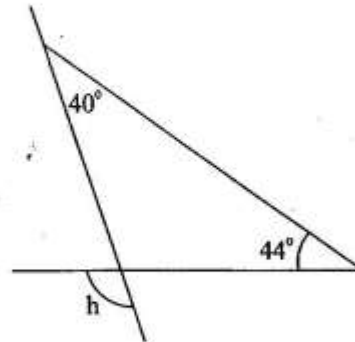


- A. 500cm^2 B. 456cm^2
 C. 44cm^2 D. 46cm^2
36. A biro pen costs sh. b while an exercise book costs sh. x . A lady bought 5 exercise books and 4 biro pens. How much did she pay for the items?
 A. sh. $(4b+5x)$ B. sh. $9xb$
 C. sh. $(5b+4x)$ D. sh. $9bx$

37. A square piece of land has an area of 37500m^2 . What is its area in ares?

A. 3.75 B. 37.5
 C. 3750 D. 375

38. Calculate the size of the angle marked h in the figure below



- A. 88° B. 96°
 C. 136° D. 140°
39. Forty pupils were given a 5dl packet of milk each. How many litres did they get altogether?
 A. 2000 B. 200
 C. 20 D. 2
40. Work out:

litres	dl	ml
14	6	25
x		7

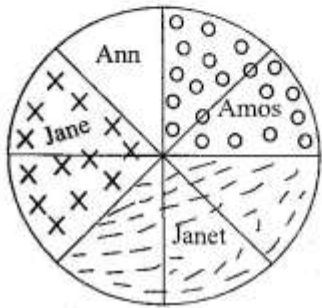
- A. 102L 3dl 75ml
 B. 99L 3dl 75ml
 C. 98L 3dl 75ml
 D. 98L 42dl 175ml
41. Pauline bought the following items from a shop
 3kg of sugar @ sh. 120
 1litre of milk @ sh. 70
 2kg packet of maize flour at sh. 140 per packet
 3 packets of biscuits for sh. 60
 She paid for the items using sh. 1000 note.
 How much was her balance?
 A. sh. 230.00 B. sh. 250.00
 C. sh. 110.00 D. sh. 370.00

42. The table below shows the ages of 20 pupils in a certain class

Age	10yrs	11yrs	12yrs	13yrs	14yrs
No of pupils	1	2	8	6	3

How many pupils are below 13 years?

- A. 17 B. 3
C. 11 D. 9
43. If 1cm represents 70m, what will be the drawing length representing 14km?
A. 5cm B. 50cm
C. 20cm D. 200cm
44. Below is a circle graph representing the number of learners who chose Jane, Janet, Ann and Amos as their class governor



If there were 64 pupils in the class, how many of them chose Janet as their governor?

- A. 48 B. 24 C. 8 D. 16

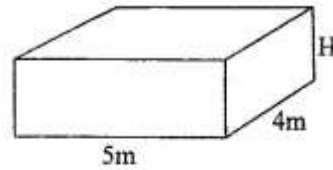
45. What is the value of $\frac{3}{8}$ of $1\frac{1}{3} \times 3\frac{1}{3}$?
A. $\frac{5}{3}$ B. $1\frac{2}{3}$
C. $\frac{3}{5}$ D. $\frac{3}{20}$

46. Which one of the following pairs of measurements can be used to construct a right angled triangle whose hypotenuse measures 17cm?
A. 3cm 4cm B. 8cm 15cm
C. 5cm 12cm D. 7cm 15cm
47. The following are properties of quadrilaterals

- Diagonals are equal
 - Has 2 pairs of parallel lines
 - Diagonals do not bisect at right angle
- What is the quadrilateral mentioned above?

- A. Square B. Rhombus
C. Rectangle D. Trapezium

48. The volume of the figure below is 30m^3



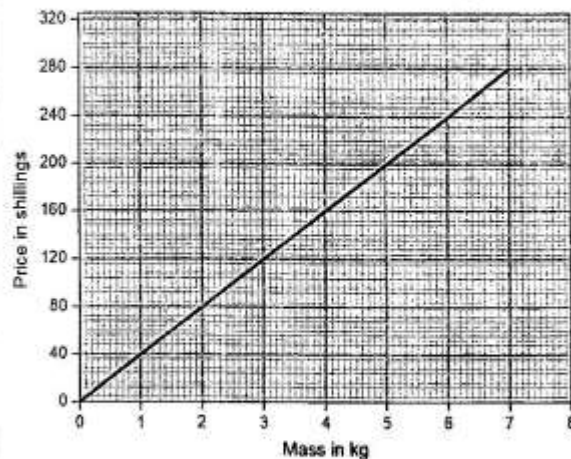
What is the height of the figure in centimetres?

- A. 150cm B. 15cm
C. 250cm D. 25cm
49. The table below shows Inland postal charges for parcels

Parcel	Weight step	Charge sh cts
Limit of weight 5kg	upto 5kg	
	Over 5kg upto 10kg	100.00
	Over 10kg upto 15kg	150.00
	Over 15kg upto 20kg	200.00
	Over 20kg upto 25kg	240.00
	Over 25kg upto 30kg	280.00
	For each additional 1kg upto 50kg	80.00

Amina sent a parcel weighing 32kg to his parent. How much was she charged at the post office?

- A. sh. 280.00 B. sh. 440.00
C. sh. 2560.00 D. sh. 360.00
50. The table below shows costs of tomatoes in shillings.



How much would I spend to buy $3\frac{1}{2}$ kg of tomatoes?

- A. sh. 150.00 B. sh. 140.00
C. sh. 160.00 D. sh. 120.00