



THE SPECTRUM EXAMINATIONS HUB

TEACHERS' INTERVIEW

SUBJECT: MATHEMATICS

SECTION: UPPER PRIMARY

Time: 2 hours

DATE _____

TEACHER'S CODE _____ **TEL.** _____

FOR EXAMINER'S USE ONLY

SECTION	SCORE	HEAD OF DEPT'S COMMENT
A		
B		
TOTAL		

Read the following instructions carefully:

1. The paper is made up of section **A** and **B**.
2. Section **A** has **20** short answer questions (**40** marks).
3. Section **B** has **12** questions (**60** answers).
4. Answer ALL questions. All answers to both section **A** and **B** must be written in the spaces provided.
5. All answers must be written in blue ink and show all the necessary side work.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.

The Spectrum Examinations 0775680201/0704287274

SECTION A

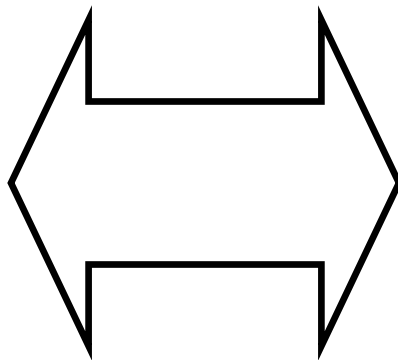
1. Simplify $13y + 5y + y$
2. Write in words: 9,090,999
3. Akankwasa scored the following marks in the 2024 district mock examinations.


ENG	95
MTC	80
SCI	75
SST	90

If these marks were to be shown on a pie chart, what angle would represent English?

4. Find the next number in the sequence below;
-37, -32, -28, -25,

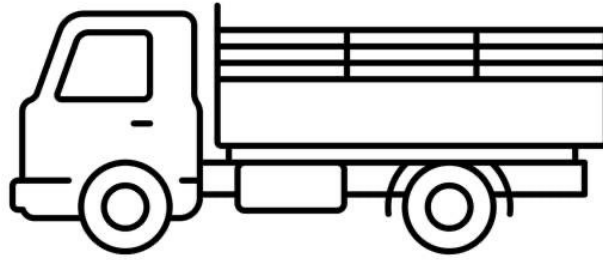
5. Write XCIV in Hindu Arabic Numerals.
6. Mugambwa had shs. 450, 000 and used $12\frac{1}{2}\%$ of it to buy a pair of shoes. What was his change?
7. Subtract: $1101_{\text{two}} - 110_{\text{two}}$
8. How many lines of folding symmetry does the shape below have?



9. How many hours are between 1:30 pm and 10:45 a.m?
10. Give that $a = \frac{1}{2}$ and $b = 72$. Find the value of \sqrt{ab}
11. The length of a rectangular plot is three times it width. The perimeter of that plot is 240 ft. Find its width.
12. Given that  represents 20 bells. Draw picture that represents 120 bells.

13. After covering $\frac{2}{5}$ of her journey, Nyaluak still has 15km to cover.
Find the total distance she has to cover.
14. The bearing of town **Q** from town **P** is 290° . Find the bearing of town **P** from town **Q**.
15. Use the prime factors below to find the largest factor which is common in both 12 and 15.
 $12 = 2^2 \times 3$
 $15 = 2 \times 3^2$

16. The lorry below carried 42 bags of cement in three trips to a building site in Nansana. How many bags of cement did it carry in 5 trips?



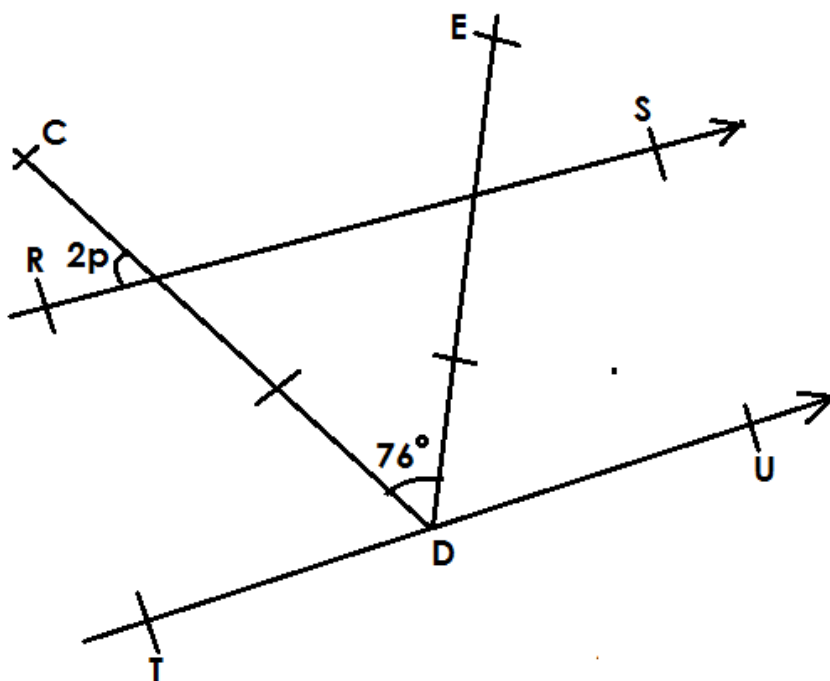
17. If 1 US dollar(\$) = 3,800 Ug.sh and 1K.sh = Ug.sh 30. How much in total does Ojambo have in Uganda shillings if he received Ksh50 and US \$100?
18. In Kiambu primary school, there are 1200 pupils. The ratio of girls to boys is 3:5 respectively. Find the number of boys in the school.

19. Using the distributive property, workout $(30 \times 12) + (70 \times 12)$

20. Express 0.3636.....as a fraction in the simplest form.

SECTION B

21. Study the diagram below and use it to answer the questions that follow.



(a) Find the value of angle **p**. (3marks)

(b) Calculate the size of angle **EDU** (1mark)

22.(a) In **Ararat** Junior School, 85 pupils were given prizes for good conduct (**C**), regular attendance (**A**) and good handwriting (**H**), 55 won prizes for regular attendance, 45 for good conduct and 25 won prizes for both good conduct and regular attendance. Show the information on a Venn diagram.

(b) How many pupils won prizes for good handwriting only?

23. The sum of 3 consecutive odd numbers is 69. If the number after the third number is **p**. Find the numbers. (4marks)

24. (a) Simplify: $\frac{0.12 \times 4.2}{0.03 \times 0.7}$

(b) Ssebato gets a salary of shs. 890,000 and uses $\frac{1}{10}$ of it for transport $\frac{1}{2}$ of the remainder on fees and saves the rest. How much money does he save?

25. (a) Solve: $2(4x - 2) - 3(x - 1) = 9$

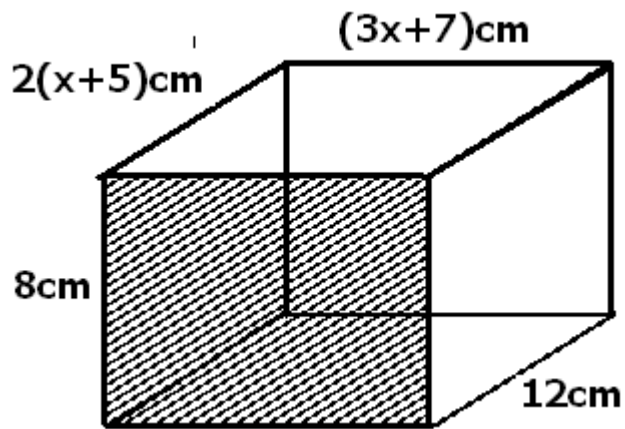
(b) Solve and write a solution for $5n - 2 > 3(n + 4)$

26. Kalinzi deposited sh. 900,000 in Stanbic bank which offers a simple interest rate of 10% per annum. He wanted to keep his money with the bank for 5 years but after 2 years, he withdrew 700,000.

(a) How much money did Kalinzi remain with on his account after withdrawing?

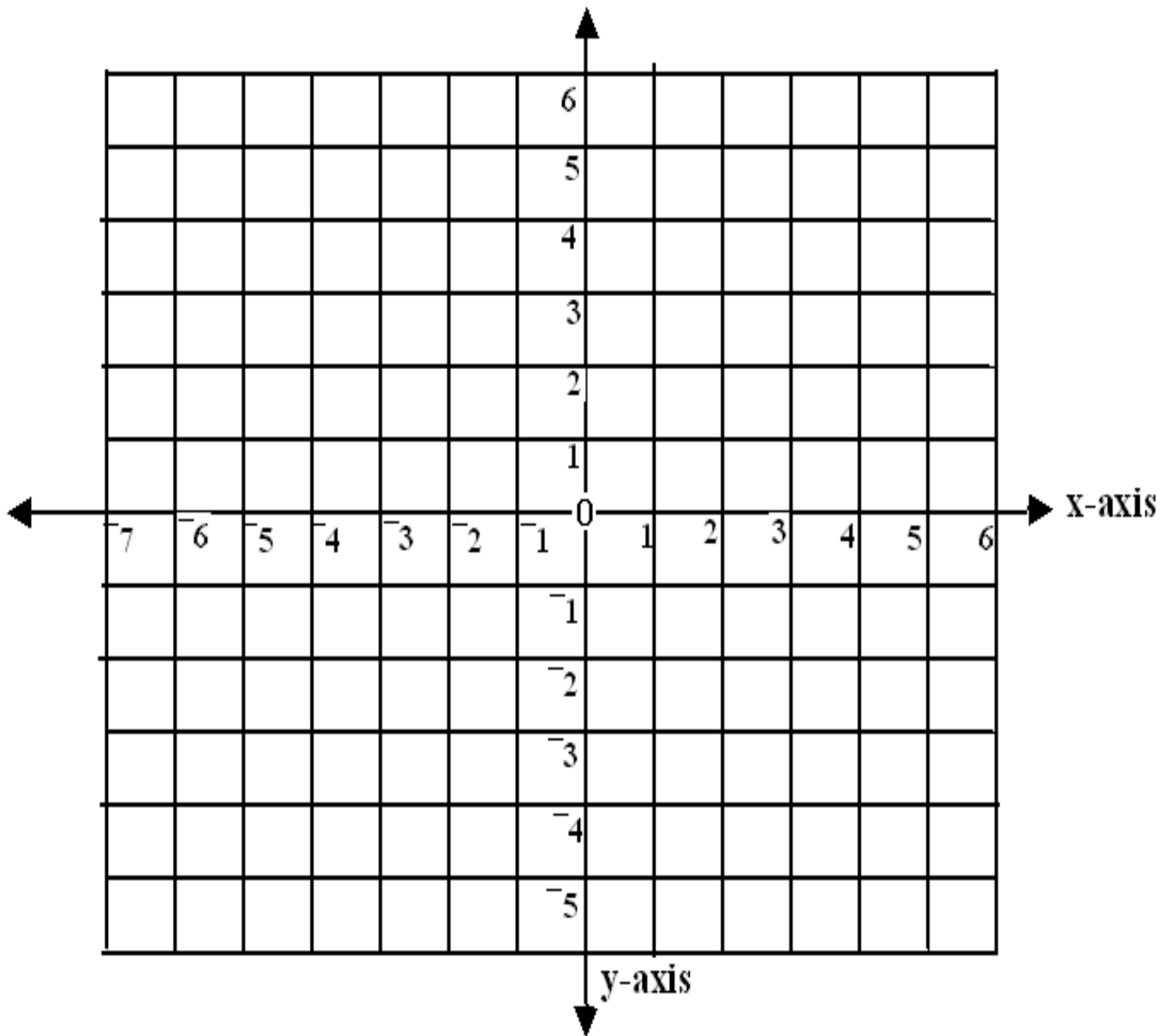
(b). How much money did Kalinzi have in the bank after the period of 5 years?

27. Find the volume of the figure below.



(b) Work out the area of the shaded part.

28. (a) On the grid below, plot the points $A(4,0)$, $B(0,4)$, $C(4,0)$ and $D(0,-4)$



- (b) Name the polygon formed.

31. (a) Using a ruler, a pencil and a pair of compasses only, construct a rectangle **ABCD** where **AB** = 8cm and **BC** = 6cm. measure the length of diagonal **BD**.

(b) Find the area of triangle **ABD**.

32. **Below is the timetable of Kabandole Bus Services, traveling from Kampala to Gulu.**

Town	Arrival	Departure
Kampala		6:50 am
Bombo	8:10 am	8:30 am
Nakasongola	10:15 am	10:45 am
Kigumba	11:15 am	11:40 am
Karuma	12:10 pm	12:50 pm
Gulu	1:35 pm	

- (a) How long did the bus take to travel from Nakasongola to Kigumba?

- (b) How long did the bus take to rest at Nakasongola?

- (c) If the distance between Kampala and Gulu is 459km. Calculate the average speed of the bus in km/hr.

END

