

- Add: $42 + 66$
- Solve for the unknown in the equation below: $p + 4p = 10$
- Simplify: $-4 - -6$
- Subtract $2x - 3$ from $5x + 7$
- Express 50cm as a ratio of 2 metres.
- Find the 9th triangular number.
- A bag contains 8 red sweets and the rest are yellow. If the probability of picking a yellow sweet from the bag is $\frac{3}{5}$, find the total number of sweets in the bag.
- Find the value of x in the diagram below.
- Factorise completely:
 $2xy - 4x$
- John is XIV years old. Write the year he was born in Hindu Arabic numerals.

Mr. Bernard Mbyehezuya
Kampala Parents' School

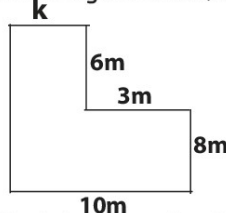
Mr. Josephat Karubanga
Kabojja Junior School

Mr. Michael Musinguzi
Buddo Junior School

Duration: 2 hours 30 minutes

SECTION A (40 MARKS) each number carries 2 marks

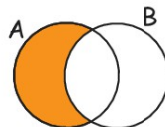
11. In the figure below, find the value of k .



12. Find the area of a circle whose circumference is 44dm.

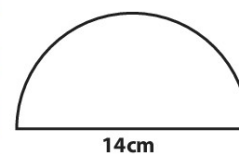
13. If set A has 7 proper subsets, how many members does it have?

14. Describe the shaded region in the Venn diagram below.



15. How many degrees are in 3 complete revolutions?

16. Find the distance around the figure below. (Use π as $\frac{22}{7}$)



17. Find the least number of books that can be shared among 8 and 12 pupils leaving a remainder of 2 books.

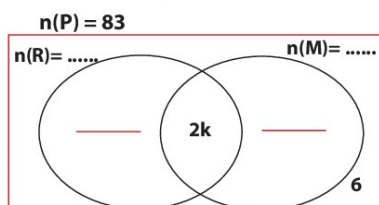
18. Work out $(12 \div 3) - (6 \div 3)$ using the distributive property.

19. An exam started at 8.45am and ended at 11.15am. How long did the examination take?

20. Construct an angle of 30° .

SECTION B (60 MARKS)

21. In a class of 83 pupils, all of them like posho (P), 47 of them like Matooke (M), 40 like Rice (R), $2k$ like all the three types of food while 6 like only posho.
a) Represent the above information on the Venn diagram below. (2mks)



- b) Work out the value of k . (2mks)

22. Mr. Bikopo gave $\frac{2}{3}$ of his money to the first son, $\frac{1}{4}$ of the remainder to the second born and the rest to the third born. If the third born got sh.18,000, find the amount of money Mr. Bikopo had (6mks)