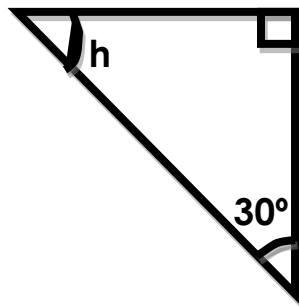


ROAD TO SUCCESS SET TEN

SECTION A 20MARKS

1. Work out: $1 - \frac{3}{5}$
2. Circle the triangular numbers in the sequence below:
1, 2, 3, 4, 5, 6, 7, 8, 9
3. Given that 3 is a divisor of 27. Find the quotient.
4. How many $\frac{1}{4}$ litre bottles will Joan get from 7 litres of milk that she has in her jerrycan?
5. Given that $R = \{\text{even numbers less than } 10\}$. Find $n(R)$.
6. Round off 3726 to the nearest thousands using a number line.
7. Prime factorize 24 and give your answer in subscript form.
8. Nassozi was facing south west. She turned through an angle of 135° anti-clockwise. Find her new direction.
9. Find the size of angle marked h.



10. Find all the factors of 18.

SECTION B 30 MARKS

11. Najjuma went to the market with 15 notes of two thousand shillings and bought the following items:

- 4 boundles of onions at sh.2,000@.
- $1\frac{1}{2}$ kg of beans at sh.3,000 per kg.
- 500 g of salt at sh.2,000 per kg .
- 4 loave s of bread at sh.16,000.

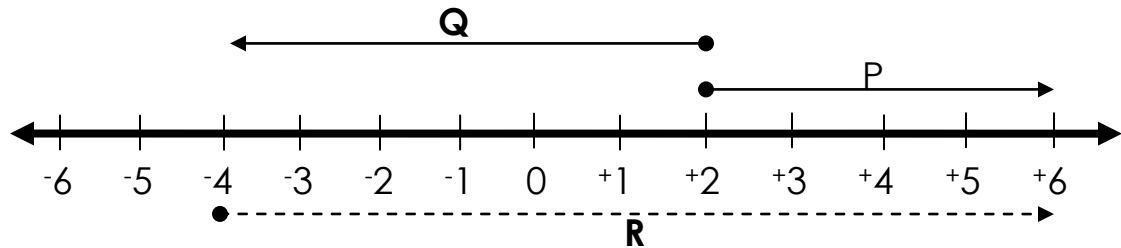
a) Calculate Najjuma's total expenditure. (4marks)

b) If the shopkeeper gave her balance in coins ,

How many coins of two hundred shillings was given to her?

(2marks)

12. Study the number line below carefully and use it to answer the questions that follow.



(a) Write the integer for the arrows: (1mark@)

Q=

P=

R=

b) Write the mathematical sentence for the above number line.

(2marks)

13. Ntambi started his journey for Kassese a distance of 210km from Mbarara. He left Mbarara at 11:15am and reached Kassese at 2:45pm.

a) How long did he take on the way? (2marks)

b) Calculate Ntambi's average speed for the whole journey.

(3marks)

14. Jude is 4 years younger than John and twice as old as Joseph.
In 5 years ago, their total age was 26.

How old is John in roman numerals?

(4marks)

15. a) Express 21_{five} as a binary system

(3marks)

b) Work out: $324_{\text{five}} \times 23_{\text{five}}$

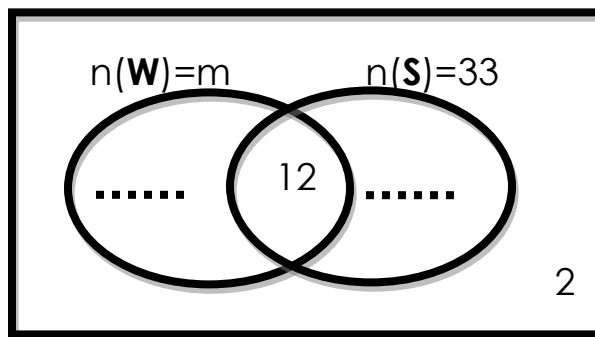
(2marks)

16. At a wedding ceremony, 33 guests took soda(**S**), m guests took mineral water(**W**), 12 guests took both soda and mineral water while 2 did not take any of the two drinks.

a) Complete the venn diagram below.

(2marks)

$n(\Sigma) = \dots\dots\dots$



b) If 13 guests took mineral water only, how many guests attended the ceremony?

(3marks)

END