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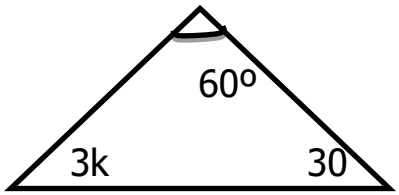
STANDARD JUNIOR SCHOOL – ZZANA

MID TERM ONE BREAK – HOME TESTS, 2020

SECTION A	
SECTION B	
TOTAL	

1)	**Add**: 11 + 9	**2)**	**Workout**: $\frac{2}{3} + \frac{1}{5}$
3)	Find the sum of the next number in the sequence. 1, 3, 5, 7 ____, ____	**4)**	In a mathematics test, John scored 20 out of 40. Express John's score as a percentage.
5)	Find the value of k in the figure below. 		

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6)	Simplify: 6x+2y+x+5y

P.6 MATHEMATICS (SET 2) TIME: 2 HOURS 30 MINUTES

NAME:

_____

SECTION A (40 Marks)

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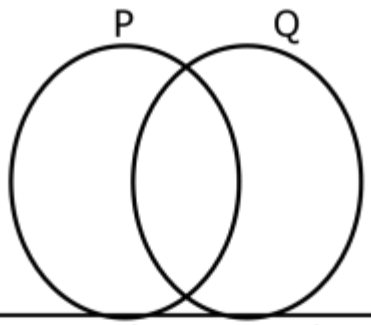
7)	Shade (P∩Q) in the diagram below.  	**8)**	**Simplify**: $^{-}5 + {}^{-}2$
9)	Using a ruler, a pencil and a pair of compasses only, construct an angle of 90º		
10)	Sarah bought a radio at sh.20,000 and later sold it to Dorcus at sh.23,000. How much profit did Sarah make?	**11)**	Given that **a=4** and **b= 2**, Find the value of **3a - 2b**.
12)	A School bus covered a distance from town A to town B at a speed of 90km/hr in just 3 hours. How far is town B from town A?		

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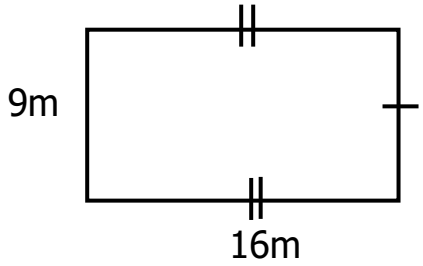
13)	In the space provided below, draw a shape of a cylinder.	**14)**	Find the median of 4, 3, 2, 5, 4, 4, and 7.
15)	Calculate the area of the figure below.  .		
16)	Write 99 in Roman numerals.	**17)**	The cost of 5 exercise books is sh. 3000. Find the cost of 9 books at the same rate.

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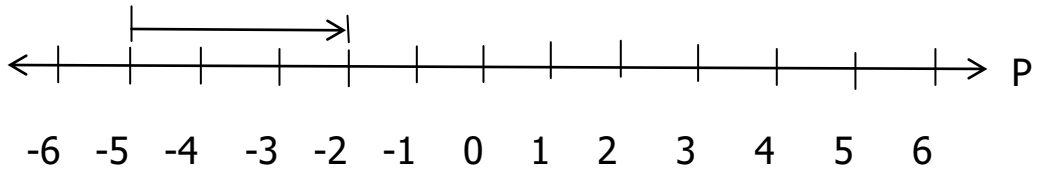
18)	Given that set **A**= {b, e, d} . Find the number of subsets in set **A**.
19)	Identify the integers represented by arrow **P**. 

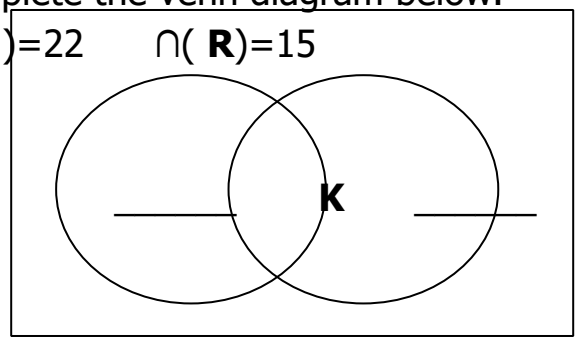
20)	There are 510 text books to be given to 15 schools in Kumi district. How many text books will each school receive?

SECTION B (4MARKS)

21) An association has 32 members, 22 of them like growing rice (**R**) 15 like growing maize(**M**) and **K** like both maize and rice while 2 grow none.

a) Complete the venn diagram below. (3marks)

∩(**M**)=22 ∩(**R**)=15



b) How many members grow maize? (3marks)

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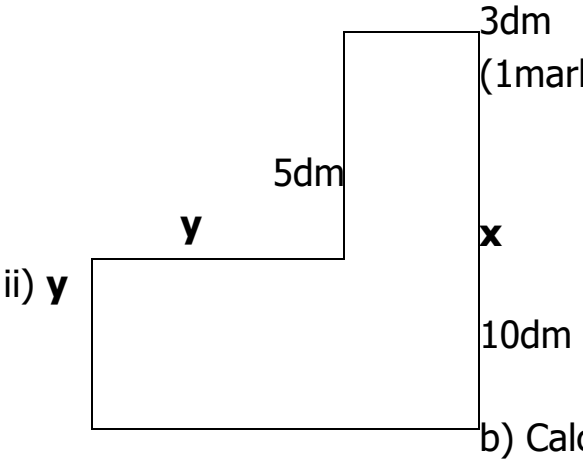
22) a) Study the figure below and use it to answer the questions that follow.



a) Find the value of;

(1mark @)

i) **x**

b) Calculate the area of the above figure.

(2marks)

23) Work out the following

a) (2marks)

kg	**g**
46	200
19	560

b) Write 2 weeks as days.

c) A lesson started at 10:00am and ended at 12:00noon. How long did the lesson take? (2marks)

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24) Use the table below to answer the questions that follow.

Marks scored	50	40	20	60
No. of pupils	1	2	1	5

a) What was the modal frequency? (1mark)

b) How many pupils scored below the average mark? (2marks)

c) How many pupils sat for the test? (2mark)

a) The sum of three consecutive counting is 96 . Find the numbers (4marks)

b) Find the product of the first and second numbers (2marks)

25) Use the number line below to answer the questions that follow.

a

b

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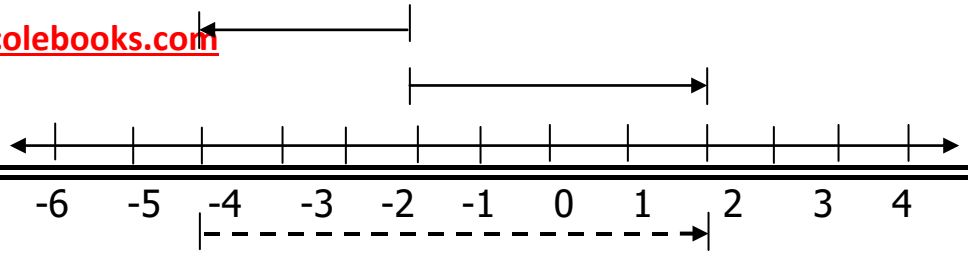

c

a) Identify the integers represented by; (3marks)

i) c=_____ **ii)** a= _____ **iii)** b= _____

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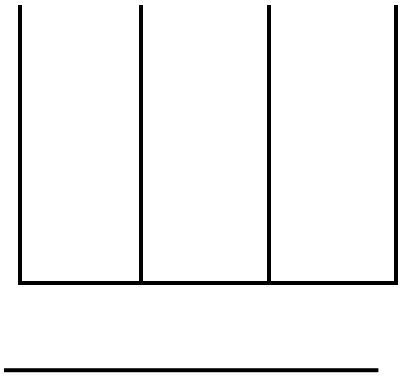
b) Write the mathematical sentence for the above illustration.
(2marks)

26) Use **5040** to answer the questions that follow.

a) What is the place value of 5 in the above number (1mks)

b) Find the product of the value of 5 and value of 4 in the above number (2mks)

c) Draw beads to show 3010 on an abacus below. (2marks)



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27) **a)** Using a pair of compasses, a ruler and a pencil only, construct a regular hexagon of radius 4.5cm (4marks)

28) a) **Workout**: $123_{\textbf{five}} + 31_{\textbf{five}}$
(2marks)

b) Express $24_{\textbf{five}}$ as base ten numeral
(2marks)

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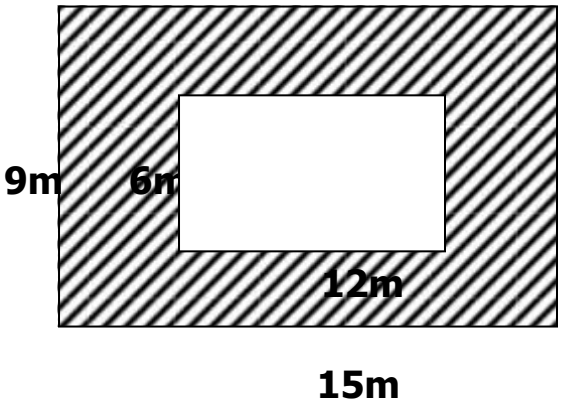
30. Mr. Mugerwa drove his car at an average speed of 35km/hr for 3 hours.

a) What distance did he cover? (2mks)

b) Change 5 hours to minutes. (2mks)

31. The figure below shows a small carpet which was put on a floor of a big room. Study it and answer the following questions.



a) Find the area of the carpet. (2mks)

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b) Find the area of the floor. (2mks)

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c) Workout the area of the shaded part (area of the floor left uncovered by the carpet) (2mks)

32. Fredrick went to the market and bought the following items. **3kg of rice at sh.4000 akg.**

$1\frac{1}{2}$kg of meat at sh. 10,000 per kg.

2litres of cooking oil at sh.3,500 per litre.

a) Calculate his total bills (4marks)

b) If he used sh. 3000 as transport fare, how much money did he spend altogether? (1mark)

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****END****

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