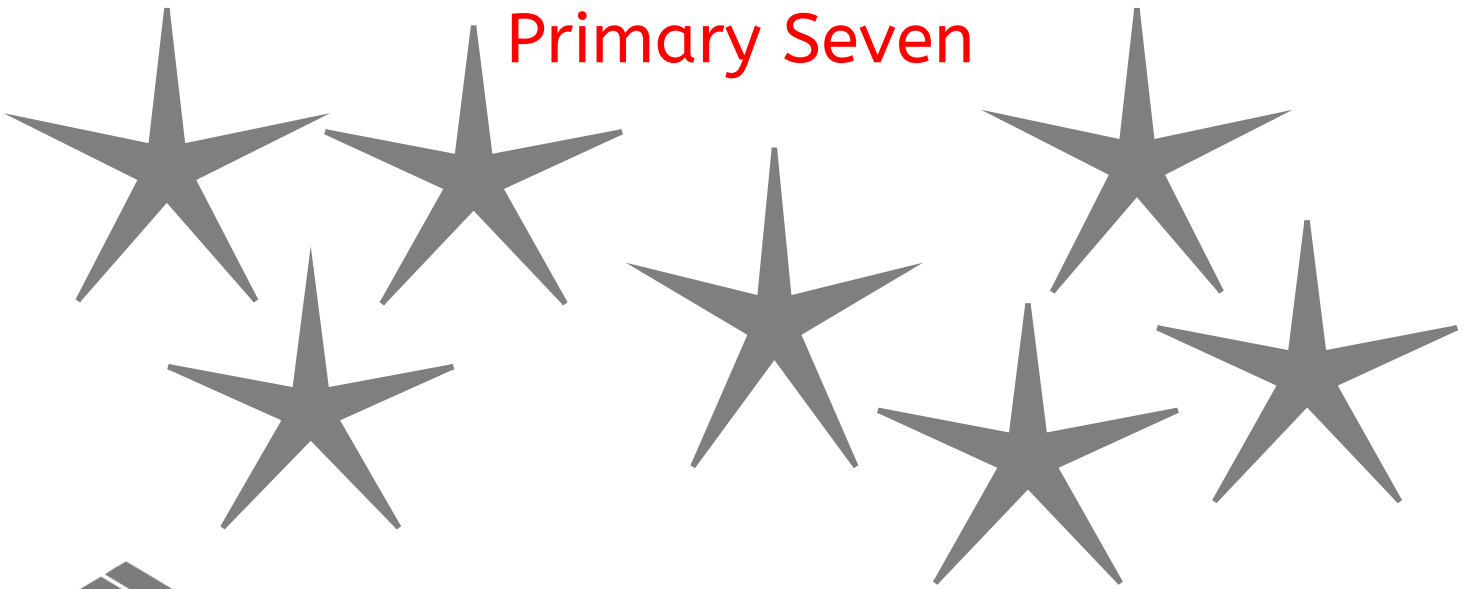


# MATHEMATICS REVISION

Primary Seven



TEKART LEARNING

Name:

School:

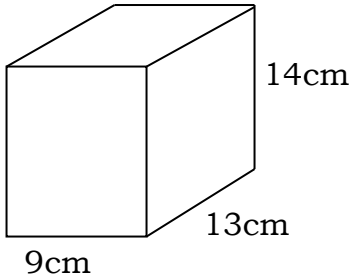
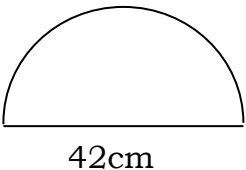
Year:

Term:

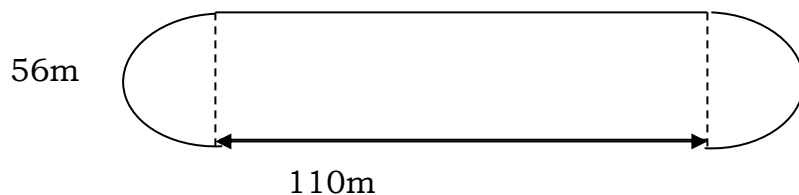
**P.7 MATHEMATICS REVISION ACTIVITY 1**

1. What is the sum of first five prime numbers?	2. The bearing of <b>L</b> from <b>M</b> is $045^{\circ}$ . Use diagram to find the bearing of <b>M</b> from <b>L</b> .
3. The median of three consecutive off number is 19. Find the sum of the number.	4. At meeting, Juma, Fred and Stella shared land in the ratio of 3:4:5 respectively. If Stella got 20 hectares how much land did they share altogether?
5. Find the complement of $(y - 30)^{\circ}$	6. Solve $\frac{4}{2r-8} = \frac{5}{r-20}$
7. In a group 80% of the members like Science and the rest like English. If 40 pupils like English, how many pupils were there in the group?	8. Given pattern 3,3,4,6,9,x,y,z, what is x+yz.

9. How many $2\frac{1}{2}$ metres are in 10 kilometres?	10. Subtrahend $a + 2$ from $2a - 1$
11. Opolot moved 80km eastwards then moved 70km southeastwards. How far was he finally from his starting point during the shorter route?	
12. Kato drove from town P to town B at a speed of 80km/hr for $2\frac{1}{2}$ hours. He spent 30 minutes at B while taking breakfast. From B he went on to town C a distance of 120km while driving at a speed of 60km/hr.	
a) Calculate Kato's average speed for the whole journey.	b) Muhelle drove her car at a constant speed of 60km/hr. What distance did he cover in 90 minutes?
13. Sylvia bought the following items from the super market. - 3kg of beans at shs. 3200 @kg. - $1\frac{1}{2}$ kg of salt at sh. 1800 every kg. - 250g of meat sh. 8,000 a kg - 8 apples at sh. 1200 every 2 apples - 4 paper bags at sh. 4,000	
a) How much money did she spend altogether?	b) If she was given a discount of 10%, how much money did she pay?
14. Solve $3(y+2) = 2(y+7)$	b) Solve for x. $(3x-4) - (x+6) = 0$

1. Workout $2.4 - 1.65$	2. Increase 1400 in the ratio of 5:2
3. Given that $y = 5x - 3$ and $x = -2$ . Determine the value of y.	4. Solve for x if $2^{2x} \times 2^{3x} = 64$
5. When K is decreased by 40% it becomes 480. What is $\frac{1}{2}$ of K.	6. Find the total surface area of the figure below 
7. Express 0.04024 in standard form	8. 12 boys can finish a piece of work in 30 days. How many more boys are needed to finish the same work in 18 days?
9. Find the perimenter of the figure below (Take $\pi = \frac{22}{7}$ ) 	10. If $\frac{5}{18}m^2 = 10$ . What is m?

11. The diagram below shows a running truck.



a) Find the total length of the truck

b) Find its area in are's

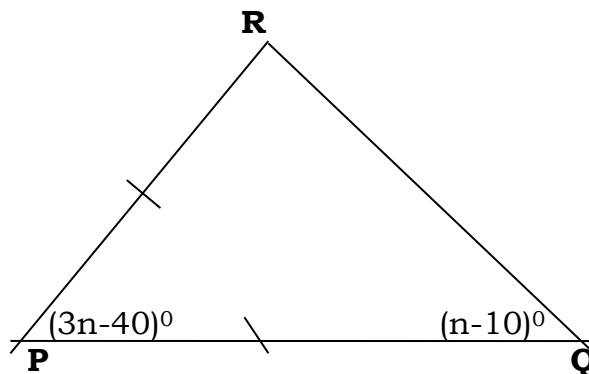
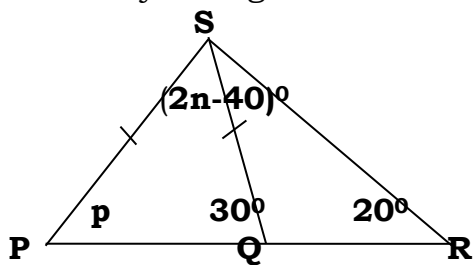
12. After selling a goat at sh. 150,000, a trader made a loss of 40% of the cost price.

a) What was the trader's cost price?

b) At what price must he sell to make a profit of 30%?

13. In a market the cost of a calf is 3 times the cost of a goat. Akello bought a calf and a goat at sh. 360,000. Find the cost of each of teh two animals.

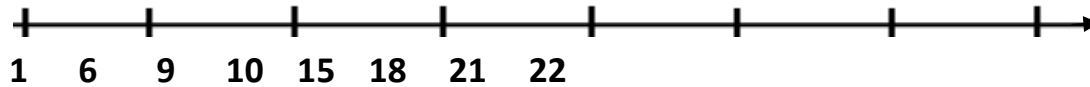
14. Study the figure and use it to answer questions that follow below



i) Find the value of p and n

ii) Find the size of angle QRS

1. Find the sum of the next two numbers in the sequence below



2. Write CDXLIX in words

3. Oketcho had 72 sweets and Mugisha had a half as many as Oketcho's. Find the total number of sweets which both had?

4. Change 12 hectares into metres

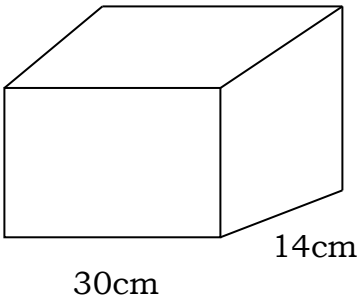
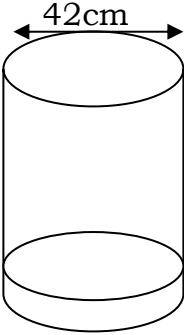
5. A P.6 end of term briefing session ended at 2:45pm which started at 11:15am how long was the briefing session?

6. The cost of a tray of eggs is shs. 7500. How many eggs can i buy with sh. 9,000.

7. Given that  $x = 2$ ,  $y = -3$  and  $z = -5$ .  
Evaluate  $\frac{yz + z}{xy}$

8. Simplify:  $3(n+1) - (3-n)$

9. Alex's body temperature was  $40^{\circ}\text{C}$ . What was his temperature in degrees Fahrenheit?

<p>10. Natalia withdrew five thousand-shilling notes numbered consecutively from AB3304177 to AB 3304200. How much money did she withdraw?</p>	<p>11. Instead of making a profit of 12%. Male made a loss of 15% while selling a turkey at sh. 34,000. At what price should he have sold it to hit his target?</p>
<p>12. A group of girls were served with children or beef or both. 70% were served with chicken and 65% were served with beef. If 175 were served with both.</p>	
<p>a) How many were served with chicken?</p>	<p>b) How many were served with only one type?</p>
<p>13. It is given that the rectangular and cylindrical containers (shown below) have the same capacity. What is the height of rectangular container.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div data-bbox="217 1024 573 1318" style="text-align: center;">  </div> <div data-bbox="805 993 987 1325" style="text-align: center;">  </div> </div>	
<p>14. The interior angle of a regular polygon is 5 times the size of the exterior angle.</p> <p>a) Find the size of the exterior angle</p>	

b) Name the polygon

c) Calculate its interior angle sum.

15. In a class, there are 20 more girls than boys. The fraction of girls in the class is 0.8. Find the total number of pupils in the class.





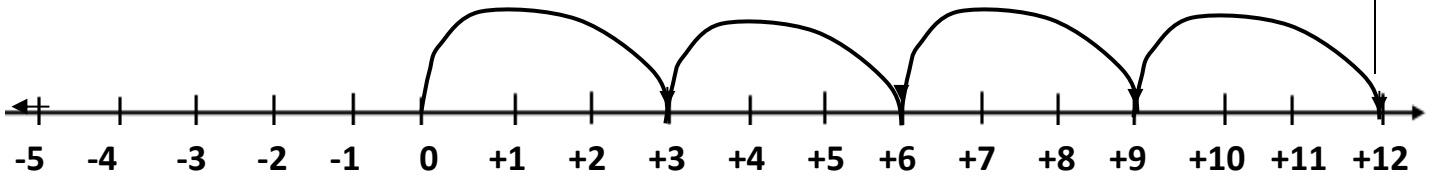
# TEKART LEARNING

## P.7 MATHEMATICS REVISION ACTIVITY 4

1. Divide  $48 \div 12$

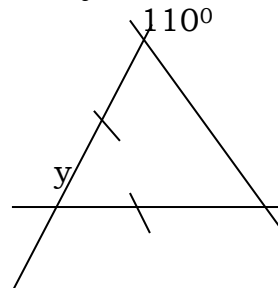
2. Add:  $\frac{3}{8} + \frac{1}{4}$

3. What multiplication mathematical statement is shown on the number line?



4. A P.T.A General meeting at Kanoni Primary School started at 9:50am and ended at 12:10pm. How long did the meeting last?

5. In the diagram below, find the value of  $y$ .



6. Find the median of -3, 5, 0 -7, 4 and 8

7. Electric poles are planted 50 metres apart. Anita moved from the 5<sup>th</sup> pole to the 10<sup>th</sup> pole. Find the distance covered by Anita.

8. Express 0.7272... as a common fraction	9. Today is Friday. What day of the week was it 58 days ago?
---	--

10. What percentage of 2kg is 600g?

11. In a village there are 75 homes of which  $(x+5)$  homes own Radios only(R), 10 homes own TVs (T) only, 24 homes own both Radios and TVs, while  $x$  homes own neither of the two.

a) Use the information to complete the venn diagram

$n(\Sigma)=74$

b) Find the value of $x$ .	c. How many homes own radios?
----------------------------	-------------------------------

12. Musimenta went shopping and bought the following items

Item	Quantity	Unit cost	Amount
Rice	3kg	Shs. 3,000	Shs. _____
Sugar	2 ½ kg	_____	Shs. 5,000
Paraffin	_____ litres	Shs. 3600	Shs. 5400
	Total	Shs. _____	Shs. _____

a) Complete the table above

- b) If she used shs. 2,000 for transport to and from the market, calculate her total expenditure .

13. The table below shows the scores of the pupils in Mathematics test

Scores	4	5	6	_____	9
No. of pupils	4	_____	13	8	_____
Total marks	10	45	_____	56	45

- a) Complete the table above

- b) Find the range of the scores

- c) Calculate the average marks

14. Mugole left town K and drove eastwards to town B a distance of 36km. He then drove northwards from town B to village P a distance of 48km and returned directly from P to town K.

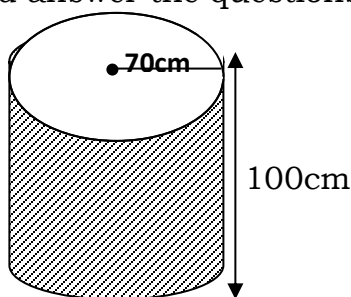
15. Using a scale of 1cm represent 6km, draw accurate diagram to show Mugole's journey.

- b) Find the shortest distance from town K to village P in km.

**P.7 MATHEMATICS REVISION ACTIVITY 5**

1. Simplify $4m - 5n + m - 2n$	2. Debra is 17 years now, represent her age using tallies.
3. Simplify: $3^2 \times 2^0 \times 3^3$	4. Use the distributive property to workout $(100 \div 5) - (25 \div 5)$
5. At party, Mugisha sat visitors in fives and one remained. When he sat in eevens eight remained. Find the least number of visitors he was able to sit.	6. Solve for x; $4 - 2x < 8$
7. A tailor had 13.2m of cloth. If 3.4m is used to make a dress. How many centimetres of cloth remained?	8. Write 49.013 in expanded form using place values.
9. Waswa is 12cm shorter than Kigongo. If the sum of their heights is 96cm. Find Wasswa's height.	<b>10. The mean age of 3 children is 20. The total age of two children is 40 years. Find the age of the third child.</b>

11. The diagram below shows a cylindrical tank found on the major Davy farm. Its radius is 70cm height as 100cm it is filled with milk every day. Study it carefully and answer the questions that follow



- a) How many litres of milk does the above tank hold when it is completely full? (Take  $\pi = \frac{22}{7}$ )

- b) If each litre of milk is sold at shs. 2,000, how much money does the major get a day when all the milk in the tank is sold.

12. Construct a triangle PQR with PQ = 6cm, angle PQR =  $60^\circ$  and angle QPR =  $45^\circ$ . Use a pair of compasses, a pencil and a ruler only.

b) Measure angle QRP

c) Drop a perpendicular line through R to meet PQ.

13. Study the exchange rates below and answer the questions that follow

- 1 US Dollar (\$) = Ug shs. 3600
- 1 British pound (£) = Ugsh. 4500
- 1 Kenya shilling (Ksh.) = Ug. Shs. 30

- a) Mr. Lule had Ug. Shs. 360,000 which he exchanged into pounds. How many pounds did he get?

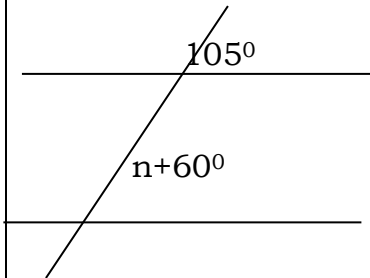
- b) Darlan bought a phone from USA at \$ 400. What is the cost of the same phone in Kenya shillings?

1. What is  $22\frac{1}{2}\%$  of sh. 6000

2. Write 40,049 in words.

3. Simplify  $\frac{1}{12} - \frac{1}{3}$  of  $\frac{1}{3}$

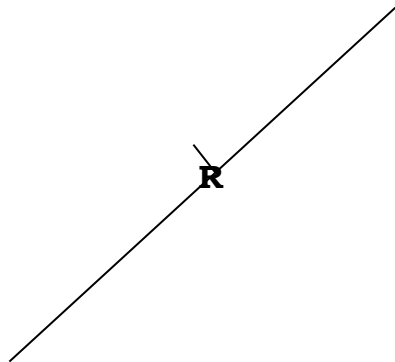
4. Find the value of  $n$  in the figure below



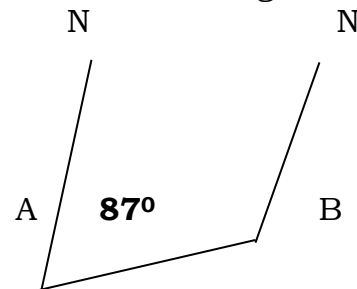
5. The cost of a spoon is shs. 4000 more than that of a fork, a knife costs five times the cost of fork. If the cost of the three items is sh. 81000. Find the cost of a fork.

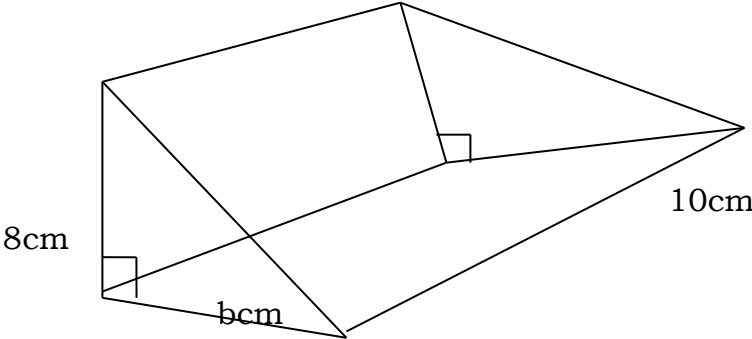
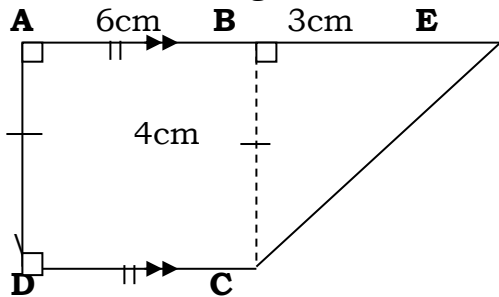
6. Today is Wednesday 8th March, 2017. What day of the week was it on the 17th November, 2016?

7. Using a ruler and a pair of compasses only.  
Construct an angle of  $22\frac{1}{2}^\circ$ .



8. Find the bearing of A from B



9. Express 1215hrs to 12 hour clock system	10. Change 120ml to litres.
<p>11. The volume of a triangular prism is 240cm. calculate the base of the prism if the height is 8cm and length is 10cm.</p>  <p>b) Find the total surface area of the prism.</p>	
<p>12. Use the diagram below to answer the questions that follow.</p> 	
a) How many lines of folding symmetry has ABCD?	b) Find the area of ABCD
c) Calculate the area of BCE	d) Find the area of the figure

<p>13. A tank has two taps that pour water into it. Tap A turned on alone Fill the tank in 20 minutes. Tap B turned on alone fills the tanki in 10 minutes. How long will the two taps turn on at the same time take to fill the tank?</p>	<p>14. Two squares have sides of length 8cm and 10cm respectively. Find the ratio of their areas.</p>
<p>15. a)Solve: <math>3a + 2(a+4)=2(2+a)</math></p>	<p>b) Simplify: <math>4(x-y) -(4x-4y)</math></p>



1. The table below shows the time table of the yy bus from Mbale to Kampala.

<b>Town</b>	<b>Arrival</b>	<b>Departure</b>
Mbale		0945hrs
Namutumba	1030hrs	1035hrs
Iganga	1100hrs	1145hrs
Jinja	1210hrs	1212hrs
Kampala	1339hrs	

a) How long did the bus take to travel Namutumba to Kampala?

b) How many more minutes did the bus spend in Iganga than Jinja?

c) What arrival time in Kampala in 12-hour clock system?

d) If the distance between Mbale and Kampala is 360km. Calculate the average speed of the bus for the whole journey.

2. The table below shows the arrival and departure time for the bus travel from Kampala to Hoima daily

<b>Town</b>	<b>Arrival</b>	<b>Departure</b>
Kampala		7:30am
Busunju	8:10am	8:30am
Kukomero	9:30am	9:45am
Kiboga	10:15am	10:40am
Hoima	11:40am	

i) At what time does the bus leave Kampala?

ii) How long does the bus stay at Bukomero?	iii) How long does the bus take to travel from Bukomero to Kiboga?
---	--

3. Study the aeroplane time table below then answer the questions that follow

<b>Town</b>	<b>Arrival</b>	<b>Departure</b>
Accra		2315hrs
Entebbe	0400hrs	0435hrs
Nairobi	0645hrs	0815hrs
Khartoum	1040hrs	

a) How long does the plane take between;

i) Accra and Entebbe?

ii) Entebbe and Nairobi?

b) How long was the plane's stop out Nairobi?	c) How long did the plane take to travel from Accra to Khartoum?
---	--

4. The table below shows how a motor cyclist travelled from town R through town Q and S to town P.

<b>Town</b>	<b>Arrival</b>	<b>Departure</b>
R		9:00am
Q	9:30am	4:42am
S	10:35am	11:10am
P	1:30pm	

i) How long did the motor cyclist stay at town S?	ii) Find the time the motor cyclist took to travel from town R to town P.
---	---

iii) Write the arrival time at town P in 24-hour clock system

iv) If the distance from town R to town P is 240km. Calculate the average speed of the motorcyclist for the whole journey.

5. The table below shows routes taken by taxis of a company. Find the departure time in;

Route	Time taken	Arrival time	Departure time
A	5hr 30 minutes	1630hrs	
B	7 hrs 15 minutes	1510hrs	
C	4 hrs 25 minutes	0500hrs	

i) 24-hour system

ii) a.m / p.m

**P.7 MATHEMATICS REVISION ACTIVITY 8**

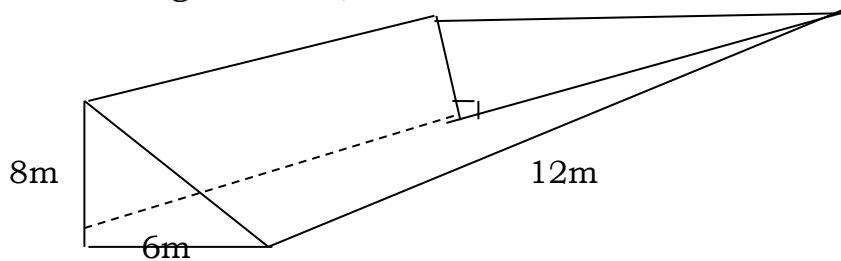
1.  $\frac{1}{3}$  of the fruits in a basket are oranges,  $\frac{2}{5}$  of the remainder are passion fruits and the rest of the fruits are guavas. If there are 20 guavas in the basket, how many fruits were in the basket altogether?

2. Akullo bought a T.V set at sh. 300,000 and later sold it at a loss of 7%

a) Calculate her loss in shillings

b) What was Akullo's selling price?

3. From the figure below, find



a) Find the value of h.

b) Find the volume of the prism

c) Find the total surface area of the prism

<p>4. A water tank at Kabagoma Primary School is <math>\frac{1}{3}</math> full of water, when 6,000 litres of water is added it becomes <math>\frac{3}{4}</math> full</p>	
<p>a) How many litres of water does it contain when it is completely full</p>	<p>b) Find <math>\frac{1}{20}</math> of the tank when full</p>
<p>5. Mr. Katungye has 3 sons. Peter, Andrew and James. Peter is 3 years other than Andrew and James is 4 years younger than Andrew. In 6 years', time their total age will be 53 years. Find the age of each boy now.</p>	

1. What is the sum of the five five prime numbers	2. The bearing of L from M is $045^{\circ}$ . Use diagram to find the bearing of M from L.
3. The median of three consecutive odd number is 19. Find the sum of the number	4. At meeting, Juma, Fred and Stella shared land in the ration of 3:4:5 respectively. If Stella got 20 hectares, how much land did they share altogether?
5. Find the complement of $(y - 30)^{\circ}$	6. Solve $\frac{4}{2r-8} = \frac{5}{r-20}$
7. In a group, 80% of the members like science and the rest like English. If 40 pupils like English, how many pupils were there in the group?	8. Given a pattern 3,3,4,6,9, x,y,z, What is $x + yz$ .
9. How many $2\frac{1}{2}$ metres are in 10 kilometres.	10. Subtract at 2 from $29 - 1$
11. Opolot moved 80km eastwards them moved 70km Southeast wards. How far was he finally from his starting point –by the shortest route?	

<p>12. Kato drove from town 70 towards B at a speed of 80km/hr for 2 ½ hours. He spent 30 minutes at B while tasking breakfast. From B he went on town a distance of 120km while driving at a speed of 60km/hr.</p>	
<p>a) Caculate Kato's average speed for the whole journey.</p>	<p>b) Muchelle drove her car at a constant speed of 60km/hr. What distance did he cover in 90 minutes?</p>
<p>13. Sylvisa bought the following items from the supermarket.</p> <ul style="list-style-type: none"> <li>- 3kg of beans at shs. 3200 each kg</li> <li>- 1 ½ kg of salt at sh. 1800 every kg</li> <li>- 250g of meat sh 8,000 a kg</li> <li>- 8 apples at sh. 1200 every 2 apples</li> <li>- 4 paper bags at sh. 4,000</li> </ul>	
<p>a) How much money did she spend altogether?</p>	<p>b) If she was given a discount of 10% how much money did she pasy?</p>
<p>14. a) Solve <math>3(y + 2) = 2(y+7)</math></p>	<p>b) Solve for x. <math>(3x-4) -(x+6) = 0</math></p>

1. The volume of a cube below is 1 litre. Find the length of that cube.

2. Find the mean of  $3b$ ,  $b$  and  $2b$

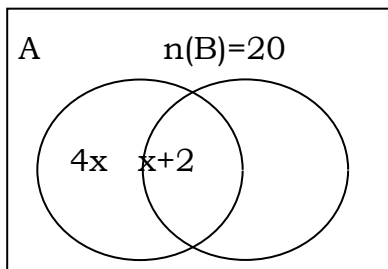
3. Two bells ring at an interval of 30 minutes and 40 minutes. If they both rang at 8:00am, at what time will they ring together again?

4. Solve  $\frac{x}{2} + \frac{x}{3} = 5$

5. If 24 is increased by  $x\%$  it becomes 27. Find the value of  $x$ .

6. Evaluate  $\frac{2}{3} \times \left(\frac{1}{4} - \frac{1}{12}\right) \div \frac{1}{5}$

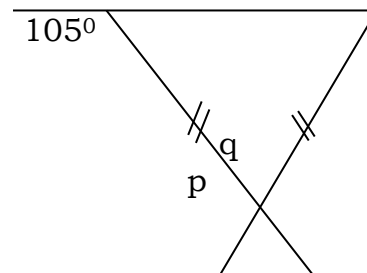
7. Use the venn diagram below to find the value of  $x$ .



8. 4 men take 9 days to slash a compound. How many more men needed to do the same job in only 2 days?

9. Find the LCM of two numbers. If their product is 250 and their GCF is 5.

10. Find the size of the angles marked P.





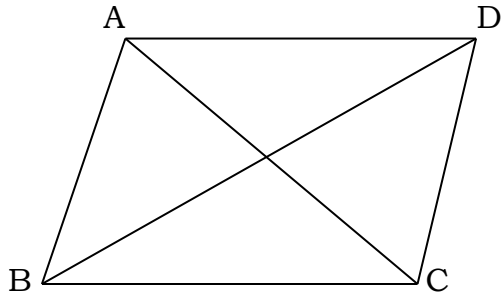
11. The table below shows how Mr. Okello spend his salary to buy the following items

a) Complete the bill shown

Items	Quantity	Rate per unit	Cost in shs.
Sugar	$2\frac{1}{2}$ kg	Sh. 2,200	_____
Meat	_____kg	Sh. 10,000	Sh. 5,000
Soap	3 bars	_____	Sh. 3600
Salt	$\frac{1}{2}$ kg	Sh. 4000	Sh. _____
<b>Total</b>			<b>Sh. _____</b>

b) If he was given a discount of 10% for all the four items. Find how much he paid.

12. The area of a rhombus is  $96\text{cm}^2$ . One of the diagonals is 12cm.

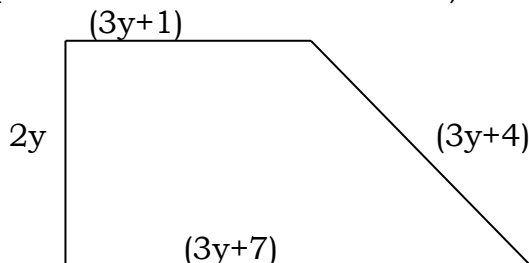


a) Find the length of diagonal BD

b) Find the perimeter of the rhombus

13. In the school garden, there are 25 more mango trees than orange tree and 30 more orange trees than Jack fruit trees. If there are 100 trees altogether, how many trees of each type are in the garden?

14. The figure below shows a piece of land in form of a trapezium. Use it to answer the questions



a) If the perimeter of the figure is 45m.  
Find the value of y.

b) Find the area of the land

1. A tax travelling at 90km/hr took 2hrs 20 minutes to cover a certain distance.

a) Find the distance covered

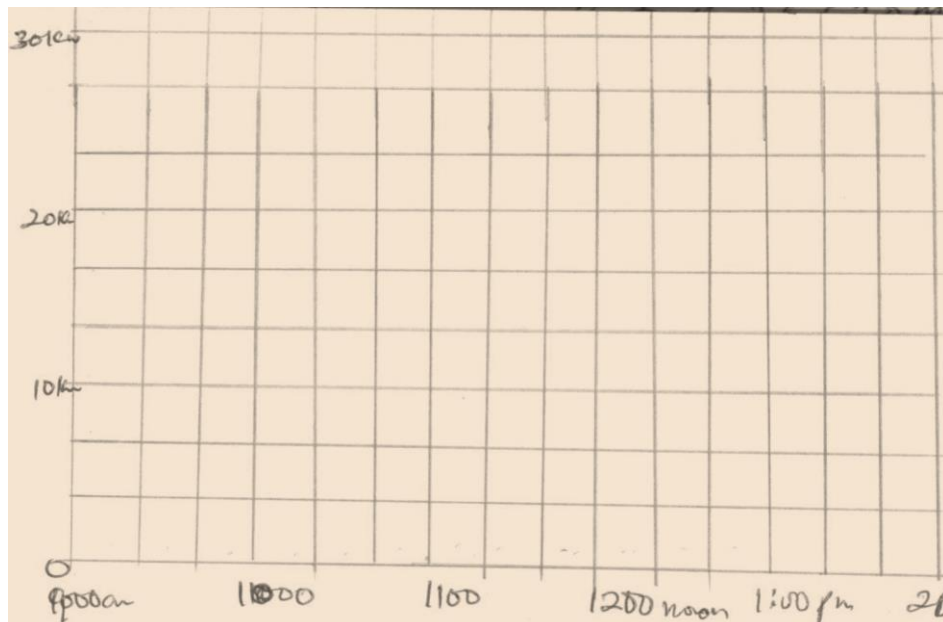
b) Peter walks 25 metres in 5 seconds. Express his speed in km/hr

2. A motorist left town A driving at steady speed of 60km / hr for 2 hours to town B. He then left B and drove 2 hours 30 minutes to town C covering a distance of 120km.

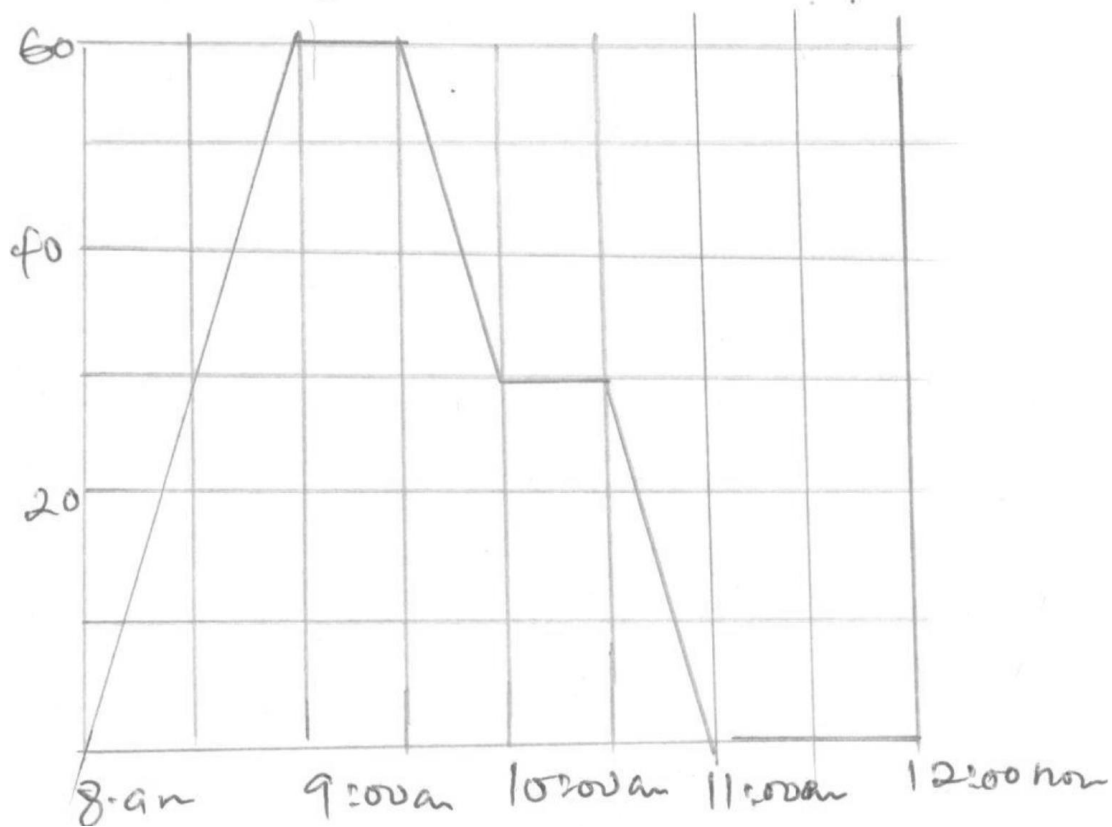
a) How far is town B from town A?

b) Calculate the average speed of the motorist for the whole journey.

3. Emmanuel left home at 8:00am riding a motorcycle at an average speed of 15km/hr for  $1\frac{1}{3}$  hrs to town A. He rested for 40 minutes at town A and then continued to town B covering distance of 10km in  $1\frac{1}{3}$  h without resting he returned home reaching there at 1:00pm. Show Emmanuel's journey



4. The graph below shows Mukasa's journey use it to answer questions that follow

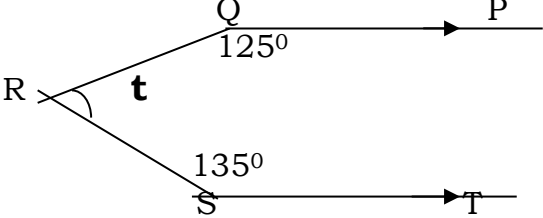
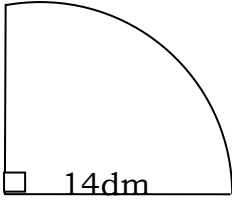



a) At what time did Mukasa start the return journey?


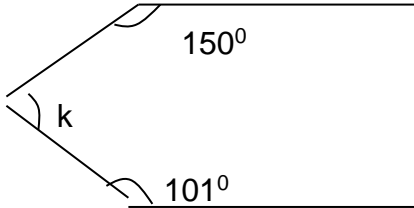
b) What is the total time for stop over?

c) What was Mukasa's average speed for the whole journey in km/hr?



1. What is the value of 4 in the number 248.5?	2. Find the square root of $12\frac{1}{4}$								
3. Find the size of angle t in the figure 									
4. Given that 4 litres of a liquid weigh 3.7kg, how many kilograms are in 16 litres.	5. Subtract: <table><tr><td>Hrs</td><td>Min</td></tr><tr><td>9</td><td>10</td></tr><tr><td>- 6</td><td>55</td></tr><tr><td colspan="2"><hr/></td></tr></table>	Hrs	Min	9	10	- 6	55	<hr/>	
Hrs	Min								
9	10								
- 6	55								
<hr/>									
6. Find the perimeter of the figure below 	7. If  represents 15 balls. How many pictures can be used to shown 75 balls?								
8. Increase 8000 by $12\frac{1}{2}\%$	9. Arrange the following fractions in order beginning with the biggest $\frac{1}{2}$ , $\frac{2}{3}$ , $\frac{3}{5}$ .								

10. How long will a loan of sh. 500,000 at a simple interest rate of 20% per annum take to yield simple interest of sh. 75,000?	
11. A man sells mangoes in heaps of eight and ten. A heap of eight mangoes cost sh.1200 and a heap of ten mangoes costs shs. 1500. He had 10 heaps of eight and 14 heaps of ten mangoes.	
a) How many mangoes did he have altogether?	b) How much money did he get after selling all the mangoes?
12. Square tiles of side 20cm each were laid on the floor of a room measuring 600cm by 400cm	
a) Find the number of tiles needed to cover the floor.	b) If a box containing 25 tiles costs sh. 30,000 find the total cost of tiles needed to cover the whole floor.
13. The pie-chart below shows how Matata spends his monthly salary. Study it carefully and answer the questions that follow	
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> </div> <div style="flex: 1;"> <p>a) Find the value of y.</p> </div> </div>	
b) If he spends sh. 360,000 on clothing, how much does he earn per month	c) Express money spent on clothing as percentage

1. Workout: $219 - 98$	2. Given that set K has 31 proper subsets, find $n(K)$
3. Write seven million sixty-eight thousand three hundred four in figures	4. Simplify: $\frac{3}{4} \div \frac{7}{8}$
5. Find the next number in the sequence 4, 7, 13, 22, 34, _____	6. Solve $2(x + 5) - 14 = 36$
7. Below is a semicircular plot of diameter 56m. Find the distance around the plot. 	8. Evaluate: $101_{\text{two}} + 111_{\text{two}}$
9. For every 2 boys there are 5 girls in a class of 105 pupils. How many girls are there?	10. The cost of 7 plates is sh. 84,000, find the cost of 4 plates.
11. Calculate the size of angle k. 	12. What is the value of; $7.32 - 3.07 + 2.5$

13. The population of a town increased from 40,000 to 64,000. What was the percentage increase?	14. Expand $97843$ using values
15. A family uses 700ml of milk per day. How many litres of milk did the family use during the month of April?	16. Write 969 in Roman numerals.
17. Simplify: $a^4 \div a^3 \times a^6$	18. 4 men can dig a piece of land in 8hrs. How many men will be needed to complete that work in 2hrs?
19. Solve: $2y + 6 = 5$ (finite 9)	20. Given that $y = 5x - 3$ and that $x = -2$ determine the value of $y$ .
<b>SECTION B</b>	
21. The cost of a story book is 3 times that of a pen and sh 900 less than the cost of a novel. The total cost of the three items is sh. 9300. Find the cost of each item. (6mks)	22. A bicycle wheel has a diameter of 28cm. How many revolutions does the wheel make to cover a distance of 880m? (5mks)

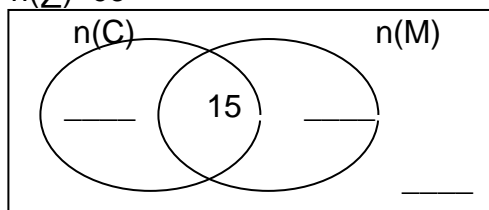
<p>23. Given the numeral 48731.;</p> <p>a) What is the place value of 8? (2mks)</p>	<p>b) What is the sum of the value of 7 and the value of 3? (2mks)</p>
<p>c) Represent 403 on the abacus below (1mk)</p> <div data-bbox="178 420 349 588"> </div>	
<p>24. In the diagram below PQRS is a parallelogram ST = TR, angle STR = <math>72^\circ</math> and angle PST = <math>26^\circ</math>.</p> <div data-bbox="211 672 844 966"> </div>	
<p>a) Find the value of n (2mks)</p>	<p>b) Find the value of y. (2mks)</p>
<p>25. Nduku spends <math>\frac{2}{5}</math> of his income on food, <math>\frac{1}{3}</math> on school fees. If he saves sh. 24,000 a month,</p>	
<p>a) How much is his income? (2mks)</p>	<p>b) How much does he spend on school fees? (2mks)</p>
<p>26. The figure below shows a triangular prism.</p> <div data-bbox="162 1722 487 1995"> </div> <p>Find its volume</p>	



27. In a village of 63 farmers, 38 farmers grow cassava, 20 grow maize only, 15 farmers grow both cassava and maize and y farmers grow neither of the two crops.

a) Represent the above information on the venn diagram below.(3mks)

$$n(\Sigma)=63$$



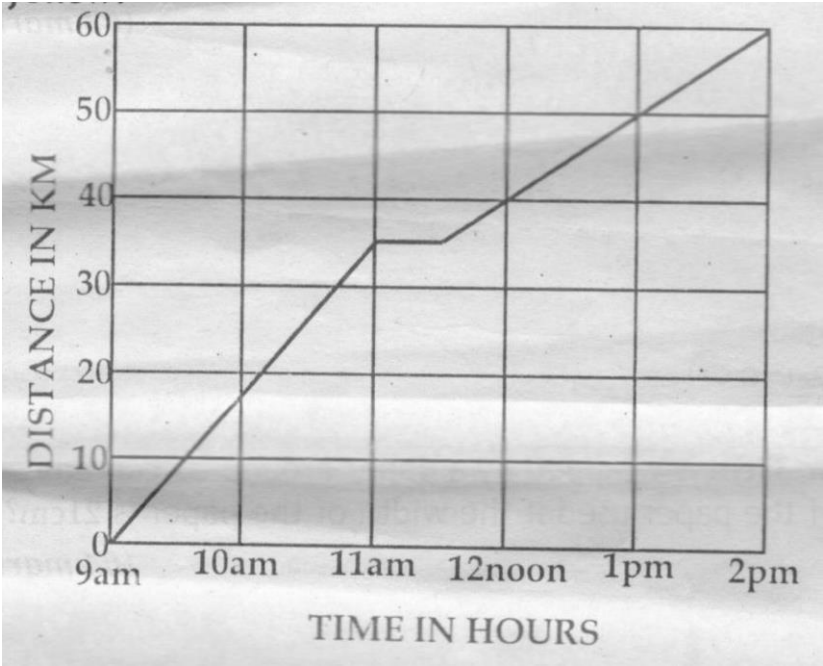
b) Find the value of y. (2mks)

28. Draw triangle RST in which  $\overline{RS} = 10\text{cm}$  and angle R =  $65^\circ$  and  $\overline{RT} = 7\text{cm}$ . construct a perpendicular bisector from R to X on ST. Measure RX. (5mks)

29. Given the exchange rates are US\$ 1= 3500 Uganda shillings and Ksh 1= 30 Uganda shillings.

a) How much money in Uganda shillings can I get from US\$400? (2mks)

b) If a radio costs US \$ 20 find the cost of the radio in Kenya shillings. (3mks)

<p>30. A cylindrical tin of diameter 35cm is wrapped by a paper around its curved surface. What is the area of the paper used if the width of the paper is 21cm? (4mks)</p>															
<p>31. a) Workout; <math>\frac{2}{5}x + 38 = 8x</math> (3mks)</p>	<p>b) If <math>P = 5</math>, <math>Q = 6</math> and <math>r = 3</math>, find the value of <math>\frac{pqr}{29 + qr}</math> (3mks)</p>														
<p>32. The graph below shows a cyclist's journey. Use it to answer questions that follow</p>  <table border="1"> <caption>Data points from the cyclist's journey graph</caption> <thead> <tr> <th>Time</th> <th>Distance (km)</th> </tr> </thead> <tbody> <tr> <td>9am</td> <td>0</td> </tr> <tr> <td>10am</td> <td>20</td> </tr> <tr> <td>11am</td> <td>35</td> </tr> <tr> <td>12noon</td> <td>35</td> </tr> <tr> <td>1pm</td> <td>50</td> </tr> <tr> <td>2pm</td> <td>60</td> </tr> </tbody> </table>		Time	Distance (km)	9am	0	10am	20	11am	35	12noon	35	1pm	50	2pm	60
Time	Distance (km)														
9am	0														
10am	20														
11am	35														
12noon	35														
1pm	50														
2pm	60														
<p>a) How much time did the cyclist use to rest? (1mk)</p>	<p>b) What was his speed after the stop over? (2mks)</p>														
<p>c) What was his speed for the whole journey? (2mks)</p>															



## P.7 MATHEMATICS REVISION ACTIVITY 14

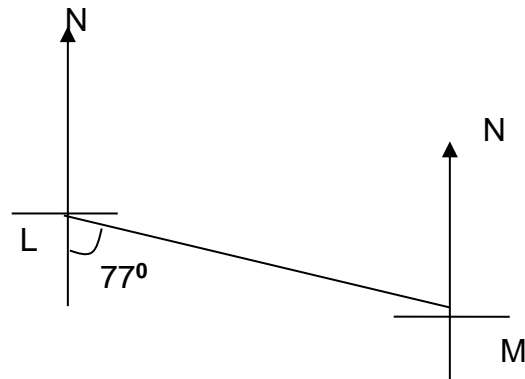
1. Work out: $32 \times 3$ .	2. Write 650,019 in words
3. Work out: $2 - 5$ (finite 7)	4. Find the next number in the sequence: -11, -8, -5, -2, ____
5. Solve the equation: $7n + 2 = 23$	6. Given that set $N = \{c, t, p\}$ , list all the subsets in N.
7. Find the number which has been expanded below: $(3 \times 10^2) + (5 \times 10^{-1})$	8. The profit on a shirt sold at sh . 7,900 was sh. 2,100. Calculate the cost price of the shirt.
9. Change 10 square metres into square centimeters	10. Write 9:30a.m in the 24-hour clock.
11. Workout: $1\frac{1}{2} - \frac{2}{3}$	12. Find the value of the digit in the ten thousand places in the number 850634.

13. A box contains 20 pens, 10 are blue, 7 are red and the rest black. A pen is picked at random from the box, find the probability that it is a black pen.

14. Give that  $a = 3$  and  $b = -2$ , find the value of  $a^2 - b^3$ .

15. Using a pair of compasses, a ruler and a pencil only, construct an angle of  $150^\circ$  in the space below.

16. The diagram below shows the positions of two towns L and M. Use it to answer the questions that follows.



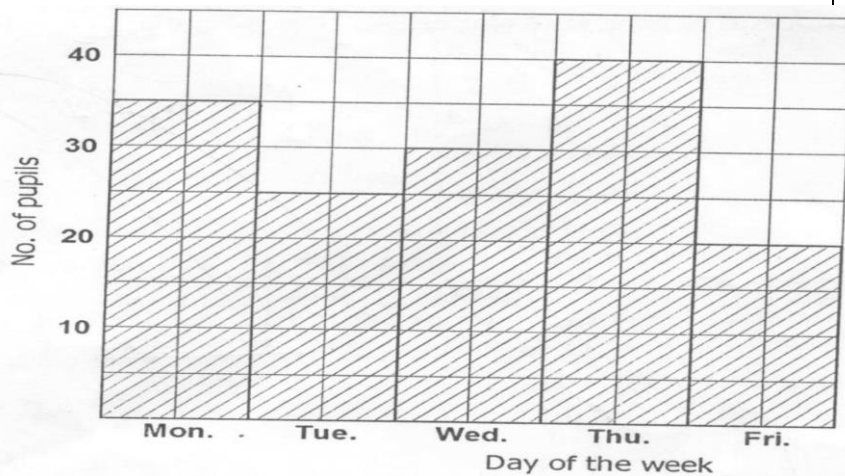
Work out the bearing of town L from town M.

17. Sixty-six poles are fixed in a straight line along one side of a road. The poles are fixed at intervals of 10 metres. Calculate the length of the road.

18. A house can be built by 3 men in 20 days. How many men working at the same rate can build the same house in 12 days?

20. Find the least number of sweets when divided among 8 boys or 6 girls equally, leaves 2 sweets as remainder.

19. The graph below shows the number of pupils present in a class of 40 pupils in a certain week. Study it and answer the question that follows.



Find the number of pupils who were absent on Tuesday.

### SECTION B

21. a) Workout: 3 3 4 five (2mks)

$$\begin{array}{r} 3345 \\ + 1235 \\ \hline \end{array}$$

\_\_\_\_\_

b) Given that  $34t = 112$ four, find the value of t. (3mks)

22. Akot went to the market and bought the following items: -

- 3 litres of milk at sh. 2,400 per litre
- 250g of salt at sh. 2,000 per kg
- 18 oranges at sh. 1,500 for every 6 oranges.

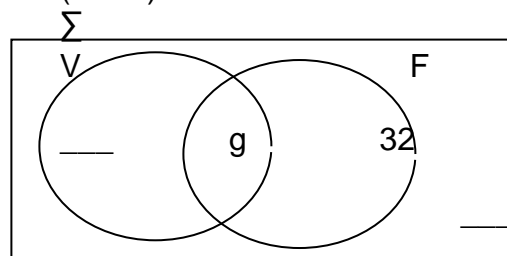
a) Calculate the total cost of the items. (4mks)

b) Akot paid sh. 12,000 for the items. What discount was she given?

23. In a class, 32 pupils play football (F) only,  $g$  play both volley ball (V) and football,  $(2g - 10)$  play volley ball but not football while  $(g - 2)$  play neither of the two games.

a) Complete the venn diagram below using the above information

(2mks)



b) Given that 62 pupils play one game only, find the value of  $g$ .

(2mks)

c) Calculate the number of pupils in the class.

(2mks)

24. A school bus taking pupils to a game Park covered 75% of its journey in  $1\frac{1}{2}$  hours. The bus travelled at a steady speed of 80 kilometres per hour. Find how far the school is from the Game Park. (4marks)

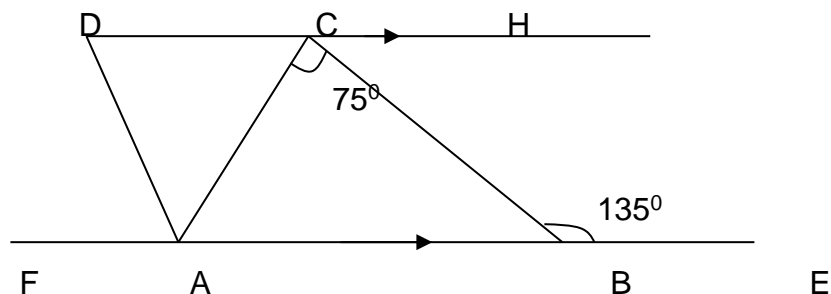
25. a) Solve the equation:  $\frac{3}{5}n + 6 = 2 + n$

(3mks)

b) Solve the inequality:  $9 - 2k > k + 3$

(2mks)

26. In the diagram below, line DH is parallel to FE. Angle ACB =  $75^\circ$  and angle CBE =  $135^\circ$ . Angle FAD is twice angle DAC. Study the diagram and use it to answer the questions that follow.



a) Calculate the size of angle DAC.  
(3mks)

b) Find the size of angle ADC.  
(2mks)

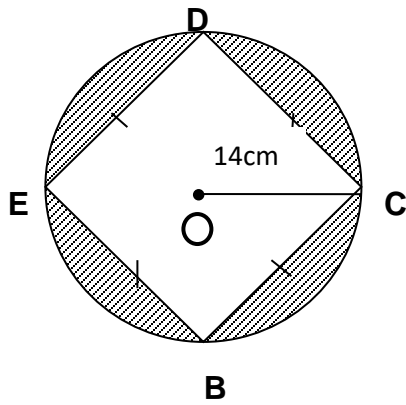
27. Arafat deposited money in a bank which offers a simple interest rate of  $2\frac{1}{2}\%$  per year. After 9 months, his account had an amount of sh. 163,000. Calculate the money Arafat deposited in the bank.  
(5mks)

28. a) Using a ruler, a pencil and a pair of compasses only, construct a quadrilateral ABCD where line AB = 7cm, angle ABC = BAD =  $60^\circ$  and AD = BC = 3.5cm. (4mks)

b) Measure the length DC \_\_\_\_\_cm  
(1mk)

29. The total mass of tins of honey in a box is 3.25kg. The mass of each tin is 250g. Find the number of tins in the box. (4mks)

30. The diagram below shows a square BCDE enclosed in a circle with centre O and radius 14cm. Parts of the circle are shaded as shown. Study the diagram and use it to answer the questions that follow.



- a) Calculate the area of the circle.  
(Use  $\pi = \frac{22}{7}$ ).  
(2mks)

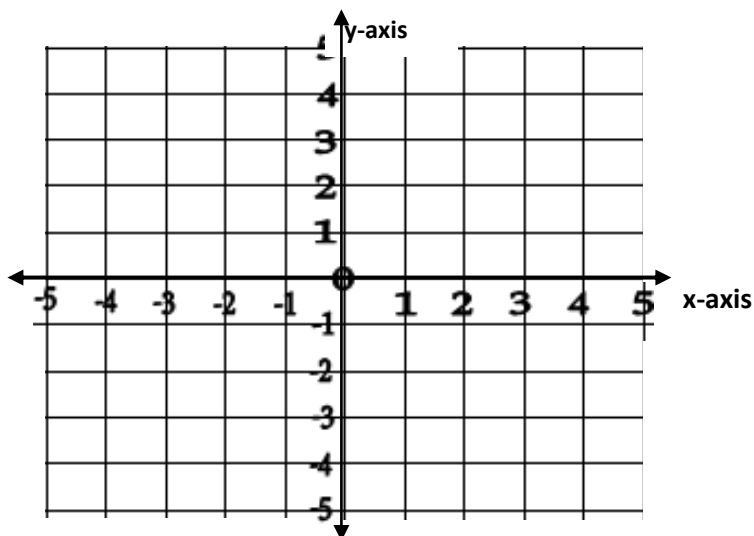
- b) Find the area of the shaded part.  
(4mks)

31. In a class,  $\frac{1}{5}$  of the girls are boarder while  $\frac{1}{3}$  of the boys are day scholars. The percentage of the girls in the class is 60%. The class has 10 boys who are day scholars.

- a) How many pupils are in the class?  
(3mks)

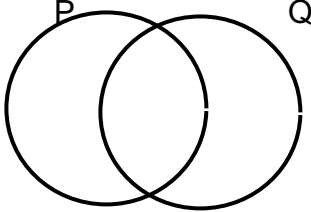
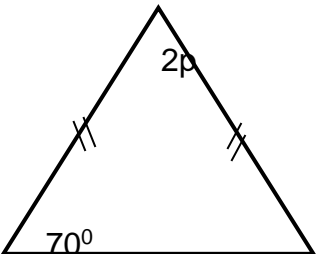
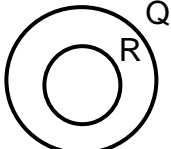
- b) Find the number of girls who are boarders.  
(2mks)

32. Study the coordinate graph below and use it to answer the questions that follow.



- a) Write the coordinates of point A (1mk)  
b) Plot the points B (+2, +2) and C (-1, -4) on the graph. (2mks)  
c) Join points A to B and B to C. (1mk)  
d) Locate a point D on the graph, join it to A and C such that ABCD is a kite.



<p>1. Subtract: <math>194 - 87</math></p>	<p>2. Shade the region of <math>P - Q</math></p> 
<p>3. Write 159 in Roman</p>	<p>4. Round off 76.753 to the next whole number.</p>
<p>5. Find the average 3, 4 and 5.</p>	<p>6. Solve <math>5 + p = 13</math>.</p>
<p>7. Calculate the value of <math>p</math></p> 	<p>8. Express 2:45pm time in 24 hours o'clock.</p>
<p>9. Using the following digits 3,4,5 write down all even numbers using the digits.</p>	<p>10. Using the Venn diagram to complete the statement given after.</p>  <p>_____ is a subset of _____</p>

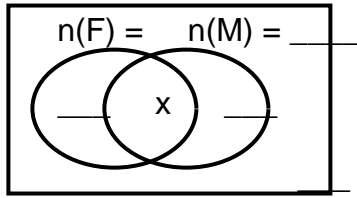
<p>11. The average of 7, <math>2x</math> and 5 is 10. Find the value of <math>x</math>.</p>	<p>12. What is the place value of 3 in the number <math>321_{\text{five}}</math>?</p>
<p>13. Workout: <math>1\frac{1}{2} + \frac{3}{4} \div 1\frac{1}{2}</math></p>	<p>14. Complete the abacus below</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p><b>H T O</b></p> </div> <div style="text-align: center;"> <p><b>H T O</b></p> </div> <div style="text-align: center;"> <p><b>H T O</b></p> </div> </div>
<p>15. A meeting started at 8:30am and lasted 50 minutes. At what time did it end?</p>	<p>16. Workout: <math>\frac{1}{9} \times \frac{3}{5}</math></p>
<p>17. The cost of 250g of sugar at sh.3200g per kg.</p>	<p>18. The average of 5 numbers is 20. Find the sum of the numbers.</p>
<p>19. Workout: <math>4P^3 \div P^2</math></p>	<p>20. 12 technicians can paint a school building in 10 days. How long will 15 technicians take?</p>

## SECTION B

21. In a class of 20 pupils, 12 eat fish (F), 15 eat meat (M), x eats both and 3 eat none of them.

a) Complete the Venn diagram below: -

$$\Sigma = 20$$



b) Find the value of Y

c) How many pupils ate only one type of food?

22. a) Express  $\frac{5}{8}$  as a decimal fraction

b) Change 0.3636.... as a common fraction.

c) Write 0.245 in words.

23. The average mark of 36 pupils in a class is 5. Two pupils whose marks are 20 and 24 leaves the group. Find the average mark of the remaining pupils.

24. The are 20% more girls than boys in a class;

a) What is the percentage of boys in the class?

b) If there are 60 boys in the class, how many pupils are there altogether?

25. A mother went for Christmas shopping as shown in the table below. Complete the table correctly.

Item	Unit cost	Quantity	Amount
Sugar	Shs. 3000 each kg	3 ½ kg	Shs. 10500
Carrots	Shs. _____ per kg.	2 ½ kg	Shs. 5000
Meat	Shs. 10000 per kg	750g	Shs. _____
Rice	Sh. 2500	____ kg	Shs. 5000
Salt	Shs. 1200 each kg	3 kg	Shs. _____
<b>Total</b>			Shs. _____

26. The mean score of 6, 9, 7, 4, x, 5 is 0.

a)

b) Find the value of x.

c) Calculate the range of the number.

27. a) If  $66\frac{2}{3}\%$  of a number is 7200. Find the number

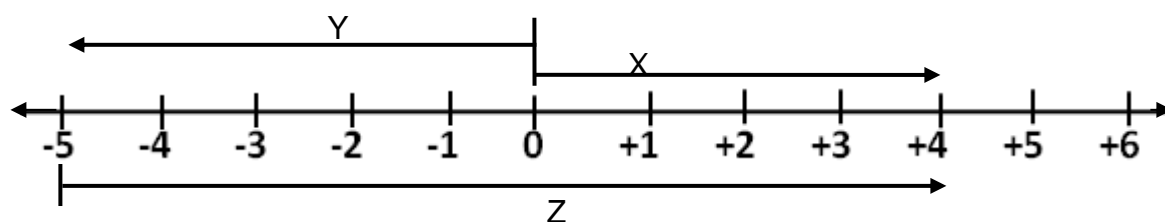
b) Express 0.1222... as a common fraction.

28. a car travelled from Kampala to Jinja at a speed of 120km/hr for 1 ½ h and continued to Iganga at a speed of 80km/hr for 2 hours.

a) Find the distance from Kampala to Iganga.

b) Calculate the speed of the car for the whole journey.


29. Use the number line below to answer the questions that follows



a) Name the integers marked with the letters

X= \_\_\_\_\_ Y= \_\_\_\_\_ Z= \_\_\_\_\_

b) Write the Mathematical sentence shown on the number line above?

30. a) If  represent 15 balls. How many

balls are represented by    

?

b) If one ball costs sh. 25,000, how much can one pay for the balls represented above?

31. a) The cost of a pen and a book are in a ratio of 4:5. If a pen costs shs. 2500. Find the cost of a book.

b) Increase 1800 in the ratio of 6:5.

c) Increase 8000 by  $12\frac{1}{2}\%$

32. The table shows the marks scored by Peter in 4 subjects, represent Peter's performance on a pie chart. Use a circle of radius 3.5cm.

Subject	English	Maths	Science	Social studies
Marks	60	70	80	90

1. Find the value of 9 tens and 4ones.	2. Given that A= (cow, goat). Write down all the subsets.
3. What is the place value of 9 in the number 46.97?	4. There are 4 red pens and blue pens in a pocket a teacher picks one at random. What is the probability that the pen picked is a red one?
5. Simplify: $-4 + -7$	6. Find the GCF of 24 and 16
7. Workout: $10^2 \times 10^1$	8. Round off 9492 to the nearest hundreds
9. Express $\frac{5}{8}$ as a decimal fraction.	10. Express 572 as a roman numeral.
11. Divide $17 \overline{)5984}$	12. Calculate $3 + 4 \times 5$





<p>22. a) Simplify: <math>\frac{0.72 \times 0.6}{0.12 \times 0.3}</math></p>	<p>b) Simplify: <math>\frac{3}{5} + \frac{1}{3} \div \frac{2}{3}</math></p>
<p>c) From a roll of 10 metres a tailor makes a shirt using <math>1\frac{1}{4}</math> metres each. How many shirts does the tailor make?</p>	
<p>23. In a class of 180 pupils, <math>\frac{2}{5}</math> of them were sent home school fees and the rest had paid fee.</p>	
<p>a) What fraction of pupils had not paid fees at the time?</p>	<p>b) How many more pupils have paid than those who were sent?</p>
<p>24. A trader borrowed shs. 500,000 from a bank at an interest rate of 10% per annum.</p>	
<p>a) How much did he pay after 6 months?</p>	<p>b) How much interest must he pay after <math>2\frac{1}{2}</math> years?</p>
<p>25. There are 40% more girls than boys in a class.</p>	
<p>a) What percentage are boys in the class?</p>	<p>b) How many pupils are there in the class?</p>

c) If there are 21 girls in the class, how many pupils are there in the class?

26. 12 women can do a piece of work in 5 days.

a) How many women are required to do the same job in 6 days.

b) How long will 15 women take to do the same piece of work?

27. Study the table below and use it to answer the questions that follow

Age in years	10	11	12	13	14	15
No. of pupils	2	15	14	4	4	1

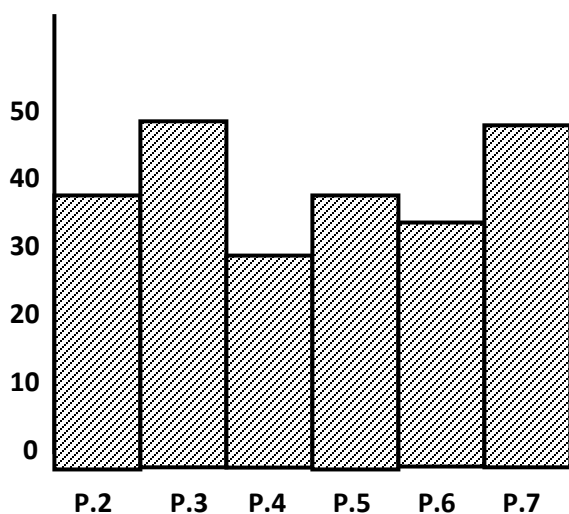
a) What is the modal age?

b) Find the median age.

c) Find the range

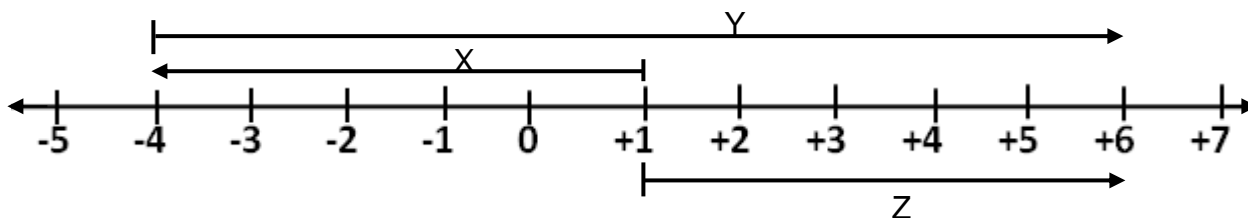
d) Calculate the mean age.

28. The graph shows the number of pupils in a school. Study it carefully and answer the questions below



a) What is the modal age?	b) Find the median age.
c) Find the range.	d) Find the mean.

29. Study the number line and use it to answer the questions that follow



a) Name the integers marked by letters

X \_\_\_\_\_

Y \_\_\_\_\_

Z \_\_\_\_\_

b) Write the Mathematical statement shown on the number line shown above.

30. Amos has bank notes numbered from AP004300 to AP004399.

a) The bill below was prepared by Magalu to buy items from a shop. Study it carefully and find the missing parts.

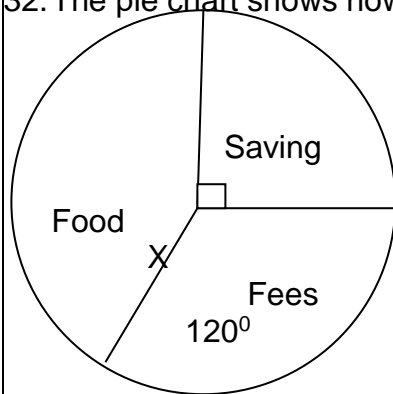
Item	Quantity	Unit cost	Total
Rice	3kg	Sh. 2800 each kg	
Meat	2 ½ kg	Shs. _____	Sh. 25000
Sugar	_____ kg	Shs. 3200 per kg	Sh. 9600
Banana	_____ bunch	Shs. 15000	Sh. 15000
Total			Shs. _____

b) Find the balance of Mugalu if he went to shop with sh. 50,000.

31. a) How long will it take a bus to cover a distance of 120km at 40km/hr?

b) A car moving at 120km/hr take 20 minutes to cover the journey. How long is the journey?

32. The pie chart shows how a family spent shs 120,000/=



a) Find the value of Y.

b) How much is spent on fees?

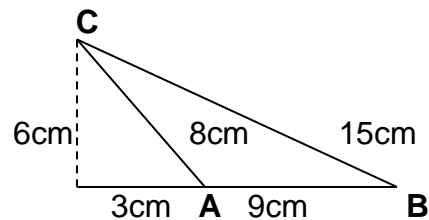
c) Express sector for food as percentage.

1. Multiply  $204 \times 15$ .

2. Given that  $A = \{1, 2, 5, 6, 7\}$  and  $L = \{2, 3, 4, 5, 8\}$ . Find the number of subsets in set  $A \cap B$ .

3. Decrease 460 by 30%

4. In the figure below, find the area of triangle ABC.



5. Workout:  $7 + 5 \times 3$

6. Change 1450hrs to 12 hours o'clock system.

7. The price of a radio is sh. 430,000 and shopkeeper sold it at sh. 412800. Calculate the percentage loss.

8. Convert  $12 \frac{1}{2} \%$  as a common fraction in its lowest form.

9. What is the smallest number which when divided by 9 or 12 leave no remainder.	10. Multiply: $124_{\text{five}} \times 4$
11. Express 0.122... as a common fraction in its lowest form.	12. 6 porters can dig a piece of land in 5 days, how many days will 15 porters take to do the same piece of work?
13. Simplify: $\frac{1.2 \times 0.06}{0.004}$	14. Simplify: $(3 \frac{1}{2} \div 2 \frac{1}{2}) \times 2 \frac{2}{3}$
15. Workout: $2^2 \times 2^3$	16. The LCM of two numbers is 60 their GCF is 6. If one of the numbers is 12. Find the second.
17. Find the simple interest of sh. 120,000 for 6 months at 5% interest per year.	18. The mean of 5 numbers is 4. Find the sum of 5 numbers.

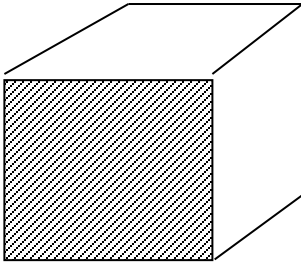
19. Study the clock below and use it to tell the morning time



20. Increase sh. 45000 in the ratio of 4:3.

### SECTION B

21. Given that the total surface area of a cube below is  $384\text{cm}^2$ . Use it to answer questions that follows



a) Find the length of each side.

b) Find the volume of the cube.

c) Calculate area of the shaded part

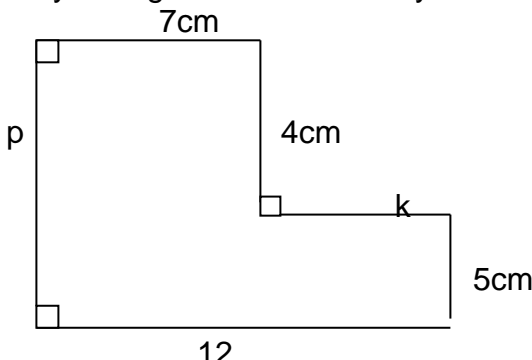
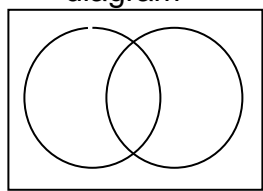
22. A family spent 40% more on school fees than clothing.

a) What percentage was spent on clothing?

b) If the family spend sh. 100,000 on clothing, what is the family total expenditure?

23. a) The sum of three consecutive odd numbers is 93. If given that  $x$  is the second number. Find the value of  $x$ .

b) What is their median?

<p>24. Mwesigwa shared sh. 480,000 in his three children; Muwanga, Nakamatte and Babirye in the ratio of 4:3:5 respectively</p> <p>a) How much money did each child get?</p>		
<p>b) How much more money did Babirye get than Nakamatte?</p>		<p>c) What fraction of money was given to Muwanga?</p>
<p>25. Study the figure below carefully and use it to answer questions that follows.</p> <div style="display: flex; align-items: flex-start;"> <div style="flex: 1;">  </div> <div style="flex: 2;"> <p>a) Find the value of;</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>i) K</p> </div> <div style="width: 45%;"> <p>ii) P</p> </div> </div> </div> </div>		
<p>b) Find the area of the figure</p>		<p>c) Calculate the perimeter of the figure.</p>
<p>26. In a class of 60 pupils, 36 pupils like Science, 20 pupils like English and 10 do not like any of the subjects.</p>		
<p>a) Show the above information on a venn diagram</p> 		<p>b) How many pupils like only English?</p>



<p>c) What is the number of pupils who like one subject only.</p>	<p>d) If one pupil is elected a class monitor, what is the probability that a pupil who like English only is chosen?</p>
<p>27. In a class of 90 pupils, <math>\frac{1}{3}</math> of them have pens, <math>\frac{1}{4}</math> of rthe remainder have pencils and the rest have books. a) Find the number of pupils who had the books.</p>	
<p>b) How many pupils have pencils?</p>	<p>c) How many pupils have pens?</p>
<p>28. Given that <math>202_K = 52_{ten}</math>. Find the value of K.</p>	
<p>b) Convert <math>101_{two}</math> to base five</p>	<p>c) Express <math>232_{four}</math> to decimal base.</p>

<p>29. a) Express <math>\frac{3}{4}</math> as a common decimal.</p>	<p>b) Convert 0.1212... as a common fraction</p>
<p>30. a) Sarah has 400 more chicken than John their total number of chickens is 2000. How many chickens does each have?</p>	<p>b) Mbidde is twice as old as his sister. Their total age is 48 years, how old is his sister?</p>
<p>31. In the rectangle ABCD below find;</p> <div data-bbox="162 924 535 1197"> </div>	
<p>ii) Actual length and width</p>	<p>i) Find the value of x.</p> <p>iii) Find the perimeter of the rectangle.</p>
<p>32. The mean age of 3 boys is 14 years. Two of the boys are 13 years and 15 years respectively. Calculate the age of the third boy.</p>	



## P.7 MATHEMATICS REVISION ACTIVITY 18

1. Solve $3^x \div 3^2 = 27$	2. Use distributive property to work out; $(448 \times 37) - (37 \times 148)$
3. Write sh. 120,580 in words.	4. In a school of 480 pupils, 280 play football and 440 play volleys. How many pupils play both?
5. Multiply: $2.23 \times 2.5$	6. $\frac{2}{3}$ of the books in the bookshop are school text books. How many books are in the bookshop altogether if the text books are 240?
7. If 40% of the class are absent,	8. The marked price of a book is sh. 4000. If a customer is offered a 10% discount.

9. Calculate the rate of interest if sh. 30,000 can yield a simple interest of sh. 1125 in 9 months.	10. The average make of 4 girls is 30 marks and if the fifth girl joins the average becomes 25. Find the score for the fifth girl.
--	--

11. Given the number 0.475 a) Write the number in standard form	
--	--

b) Expand the number using powers of ten	c) Find the sum of the value of 4 and 5.
--	--

12. The table below shows arrival and departure time for a bus from Kampala to Iganga, Study it and answer questions that follow.	
---	--

Town	Arrival	Departure
Kampala		0845hrs
Kawolo	0930hrs	0935hrs
Jinja	1000hrs	1015hrs
Bulanga	1045hrs	1100hrs
Iganga	1215hrs	

a) For how long does the bus take to travel from Kawolo to Bulanga?	
---	--

b) How long does the bus take at Jinja park?	c) If a bus traveled at an average speed of 40km/hr from Jinja to Bulanga, find the distance between the two towns.
--	---

13. Given that 81 dollars = ugsh. 2200 and 1ksh = ugsh 30. How much Uganda shilling can be changed for;

i) 200 US dollar

ii) 4600 Kshs.

14. Complete the table below by showing the working in the space provided below

Item	Quantity	Unit price	Total cost
Loaves of bread	3 loaves	Shs. _____	Shs. 12,000
Meat	_____kgs	Shs. 8,000 @ kg	Shs. 20,000
Soap	4 bars	Shs. _____ a bar	Shs. 15,200
Salt	1 ½ kg	Shs. 1200 a kg	Shs. _____
		<b>Total</b>	<b>Shs. _____</b>

If Amos was given a discount of 10% for cash payment, how much money did he pay to the shopkeeper?

15. Using a pencil, a ruler and a pair of compasses only,

- a) Construct a triangle RST where  $ST = 5\text{cm}$   $\angle S = 120^\circ$  and angle  $T = 30^\circ$ , drop a perpendicular line from K to meet ST at Y.

- b) Measure line  $\overline{RY}$



## P.7 MATHEMATICS REVISION ACTIVITY 19

1. Find the value of 4 tens + 9 ones.

2. What is the reciprocal of  $\frac{2}{5}$ ?

3. Find the cube root of 216.

4. Find the sum of next two numbers in the sequence  
1, 3, 6, 10, \_\_\_\_\_, \_\_\_\_\_

5. Convert 51ten to base four.

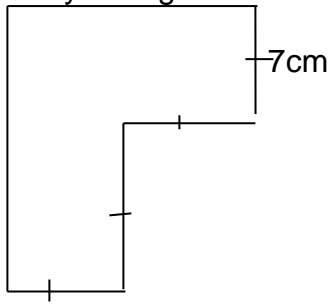
6. Find the LCM of 12 and 16

7. The sum of three consecutive counting is 18. Find the numbers.

8. Find the perimeter of the square whose area is  $64\text{cm}^2$ .

9. Work out:  $\frac{3}{4} \div \frac{3}{2} =$

10. Study the figure below and answer the questions



Find the perimeter of the figure.

11. Divide  $1414 \div 7$

12. The mean of three consecutive even numbers is 30. Find the numbers.

13. Find the sum of 8<sup>th</sup> and 11<sup>th</sup> triangular.

14. Add using dial  $4+2 = \underline{\hspace{1cm}}$  (mod 5)

15. Find the diameter of a circle whose radius is 7cm

16. Find the angle made in  $\frac{4}{5}$  revolutions.

17. Use the number line to add  $+4 + -2$

18. Simplify:  $\frac{2 \cdot 3 + 2 \cdot 4}{3 \cdot 4 - 2 \cdot 1}$

19. Multiply:  $0.25 \times 10$

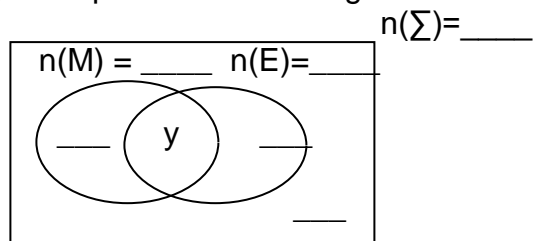
20. What is 25% of sh. 120,000?



## SECTION B

21. In a class of 50 pupils, 33 pupils like Mathematics (M), 32 pupils like science (S), some pupils like both subjects while 5 pupils like neither of the subject.

a) Complete the venn diagram below

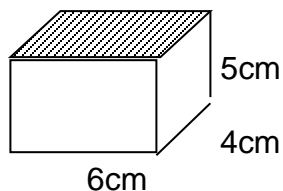


b) How many pupils like only one subject?

c) What is the probability of picking a pupil to lead others who do not like Mathematics?

22. Study the figure and use it to answer the questions that follows

a) Find the area of the shaded part.



b) Calculate the volume

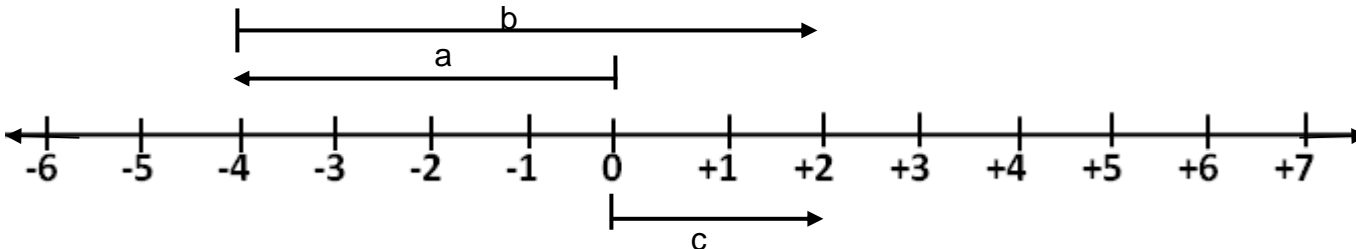
c) Find the total surface area of the figure above.

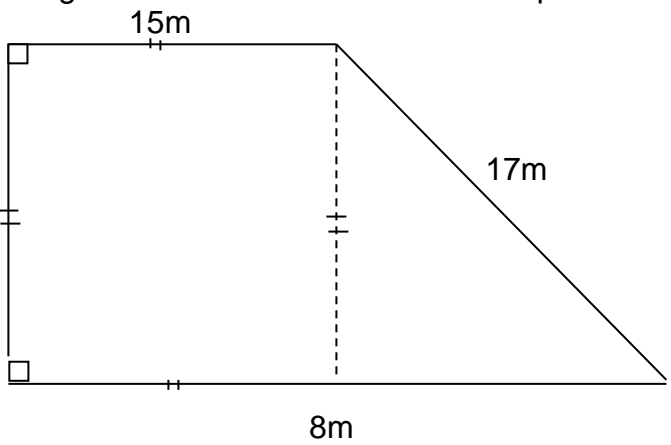
23. Annet is 12 years older than Peter. If their total age is 50 years.

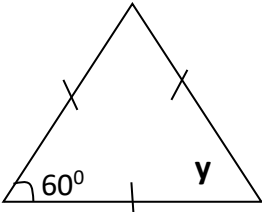
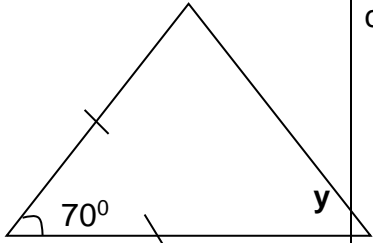
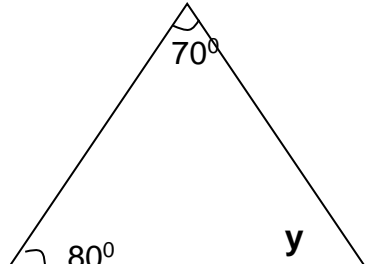
a) How old is each now?

b) How old will Peter be in 10 years?

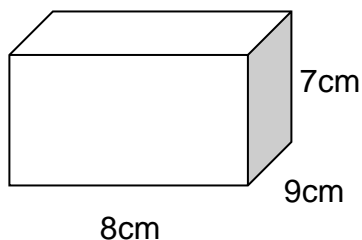
24. Arrange the following fractions in a scending order;  $\frac{1}{6}, \frac{2}{3}, \frac{1}{4}, \frac{2}{5}$

25. In a class of 120 pupils, $\frac{1}{3}$ of the pupils use blue pens and the rest use black pens.		
a). What is a fraction of pupils who are using black pens?		b). If those who use blue pens each has five blue pens. Find the total number of blue pens they have?
26. Wandera drove his car from town a to town B at a speed of 60km/hr for 2 hours and another 3 hours from town B to town C at the same speed.		
a) How far is town B from A?	b) How far is town C from B?	c) Calculate the average speed for the whole journey.
27. Given that $a = b = 3$ and $c = 2$ . Find the value of;		
a) $\frac{2ab - 3c}{ac}$		b) $2b^2 + c$
28. Study the number line below and answer the questions that follow		
		
i) Name the integers marked letters a _____ b _____ c _____		
ii) Write the Mathematical statements shown on the above number line		

<p>29. Anna, Shafia and Hamuza shared money in ratio of 8:13:19 respectively. If Hamuza got sh. 190,000.</p> <p>a) How much money did they share altogether?</p>		
<p>30. Using a ruler, a pair of compasses, construct a regular pentagon in a circle whose radius is 3.5cm.</p>		
<p>31. Use the number 467.32 to answer the questios that follow</p>		
<p>a) Write the above numeral in words.</p>	<p>b) Find the product of the value of 6 and 7</p>	<p>c)Find the difference between the value of 4 and the value of 6.</p>
<p>32. The figure below shows Mr. Kato's compound.</p> 		
<p>a)Find the perimeter of Kato's compound</p>	<p>b) Calculate the area of Kato's compound.</p>	

1. Divide $0.24 \div 8$	2. Change 30 minutes to hours
3. Find the square root of 0.49	4. 6 men can do a piece of work in 5 days. How many men is needed to do the same piece of work in 10 days?
5. Find the value of y.	
a) 	<div data-bbox="618 989 1032 1230">           b)            </div> <div data-bbox="1016 989 1438 1251">           c)            </div>
6. The sum of three consecutive odd numbers is 450. Find the numbers.	7. Express $0.888\dots$ as a common fraction in its lowest term.

8. Find the total surface area of the figure below



9. a) Simplify;  $\frac{0.6 \times 1.8}{0.2}$

b) Simplify:  $7.5 - 0.6$

10. Given that  $n(A) = 20$ ,  $n(B) = 25$  and  $n(A \cap B) = 12$ . Show the information on a venn diagram and find  $n(A \cup B)$ .

11. Construct an angle of  $120^\circ$  in the space provided below.

12. Expand 1245 using powers of tens.

13. Find the reciprocal of  $\frac{3}{8}$ ?

14. Share 360 in the ratio of 3:2.

15. Work out  $(2 \times 17) + (13 \times 2)$

16. In a box, there are 4 blue pens and 9 Red pens. What is the probability that one pen is pulled at random is Red pen?

17. Convert 2 litres to ml.

18. Simplify: $\frac{2^3 \times 2^2}{2^3}$	19. The LCM of two numbers is 48 and their GCF is 4. If one of the numbers is 12. Find the second number.
20. Workout $\frac{1}{2}$ of $(15 \div 3)$	
<b>SECTION B</b>	
21. Workout: $\frac{0.36 \times 7.5}{0.09 \times 1.5}$	b) Simplify $\frac{1}{3} - \frac{1}{2} + \frac{3}{4}$
22. The average of 7, x, 3, 9, 8 and 10 is 80.	
a) Find the value of x.	b) Find the range of the numbers  c) Find the median
23. a) Simplify $9h + 3k - 4h - k$	b) Solve $4x - 3 = x + 6$ .
24. A bus left town A at 9:50am and reached town B at 11:50am. If the distance between town A and town B was 138km.	

c) How many hours did the bus take to cover the distance?	d) Calculate the speed of a bus between town A and town B.
25. a) What is the place value of 5 in the number 45.964?	b) Which number has been expanded to give; $(6 \times 10^3) + (4 \times 10^{-2}) + (5 \times 10^1) + (3 \times 10^{-1}) + (9 \times 10^0)$
26. a) Increase sh. 160,000 by 20%	b) Decrease 400kg by $12\frac{1}{4}\%$
e) Decrease 900 by 3:2	
27. Global Junior Primary School has two bells, which ring in intervals of 30 minutes and 40 minutes for lower and upper primary respectively. If both bells were rung at 10:00am. At what time will the two bells ring together again.	

28.

Currency	Buying rate	Selling rate
1 pound sterling(E)	Ug.sh. 4200	Ug. Sh. 4250
1 US dollar (U\$s)	Ug. Sh 3500	Ug.Shs. 3600
1 Kenya shilling (Ksh)	Ug. Shs 29	Ug Sh. 30
1 Euro	Ug. Shs. 3200	Ug.Sh. 3300

- b) A tourist arrived in Uganda with \$150. How much in Uganda shilling will get?
- c) Moi wants to buy a television in Kenya shillings. If the cost of a TV in Ug. Shs. 480,000. How much in Kenya shilling will he get?
- d) Tamu has euros equivalent to Uganda sh. 12,480,000. Find how much is Euros Tamu will get?

29. Okot bought the following items from the market;

- 3kg of sugar at sh. 3400 per kg
  - 1  $\frac{1}{2}$  kg of rice at sh 3600 per kg
  - 1500gm of maize flour at shs. 3,000
  - 8 mangoes at shs. 500 each
- a) What is the cost of a kg of maize flour?

- b) Calculate his total expenditure



c) Find his change if he had shs. 30,000.

30. a) By what percentage will 480 be increased to 540?

b) A book was bought at sh. 8000 and was sold at sh. 9000. Calculate the percentage loss

c) Calculate the percentage loss of cost price is sh. 5800 and selling price is sh. 5000.

31. a) Express 72km/hr to m/s

b) A bus takes 6 hours to cover a distance at 80km/hr but it returns in only 4 hours. Calculate its average of speed for the whole journey.

