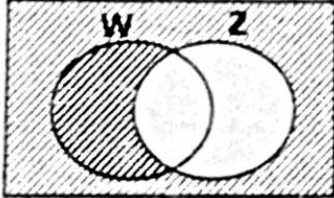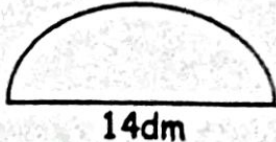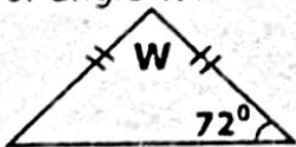## SECTION A (40 Marks)

1	Workout: $14 \div 7$.	2	Solve: $3y - 7 = 11$
3	Workout: $2\frac{1}{2} - \frac{3}{4}$	4	Round off **seven thousand, nine hundred sixty eight** to the nearest hundreds.
5	Describe the un shaded part in the Venn diagram below.	6	Using a ruler, a pencil and a protector draw an angle of 120^0.
7	A football training session took **345** minutes. Express this in hours.	8	**Find the next number in the sequence.** 128, 64, 32, 16, _____
9	Moureen bought a hand bag at **Sh. 70,000** and sold it to Milly at a profit of **Sh. 4500**. What was Millly's cost price?	10	A primary six pupil curved a wire into a shape shown below. Find the length of the semi-circle. **14dm**

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11	The temperature at Mt. Elgon was `10°c in the morning. At 3:15pm, the temperature had risen to 15°c. What was the rise in temperature?	12	A bag contains 12 red, 8 black and 9 blue pens. If a pen is picked at random, what is the probability of choosing a black pen at random?
13	Express 30 as a percentage of 40.	14	Expand 0.0396 using powers of ten.
15	Solve for k: $3k - 6 = k + 2$	16	Change 14500 metres to kilometres.
17	In the figure below, find the size of angle W.	18	The number of sub sets in set Z is 32. How many elements are in set Z?
19	Workout: 1011_{two} $+ 101_{two}$	20	A cyclist left town P at 10:50pm and reached town Q at 2:20pm. How long was the journey?

SECTION B (60 Marks)

21 Swabrah went to the shop and bought the following items.

   3 bars of soap at **sh. 4000** each bar.

   $1\frac{1}{2}$ kg of sugar at **sh. 6000** per kg.

   800g of beans at **sh. 5000** each kg.

   $3\frac{1}{2}$ litres of cooking oil at **sh. 3000** per $\frac{1}{2}$ litre.

a) How much did she spend to buy the items above?

(05marks)

b) If she was given a discount of **sh 2000**, how much did she pay?

(01mark)

22 Tap **W** takes **5** minutes to fill the tank and tap **Z** takes **10** minutes to do the same. If the tank holds **2000** litres of water.

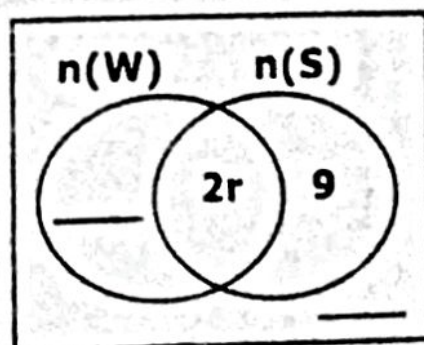a) Find the capacity which is put in the tank by tap **W** and tap **Z** in a duration of **1** minute.

(02marks)

b) Find the duration it will take to fill the tank if all taps are opened at the same time.

(02marks)

23 At birthday part, **7** people took water (**W**) only, some took soda (**S**), 2r took both drnks while (**r + 3**) took other drinks.

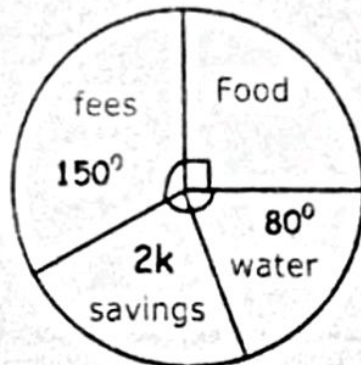a) **Complete the Venn diagram.**

(02marks)

b) If 29 people took soda, find the value of **r**.	c) How many people never took soda?
(02marks)	(01mark)

---

24 The circle graph below shows how Mr. Muramira spends his monthly salary.

a) Find the value of **k**.

fees 150°

Food

80° water

2k savings

(02marks)

---

b) If Mr. Muramira spent **sh. 4900** more on fees than on water, what is his monthly salary?

(03marks)

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25 a) Simplify: $2(3p - n) - 3(n + p)$

(02marks)

b) Kasule is **26** years older than Ssebunya. If their total age is **50** years, how old will Kasule be in **3** years to come?

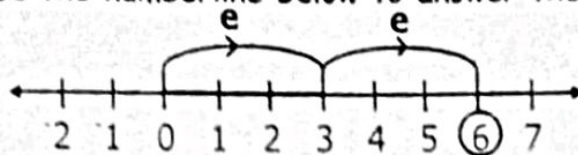(03marks)

26 a)	Akol drove from Kampala to Kyenjojo at a speed of **60km/hr** for **2hours** and from Kyenjojo to Fort portal at a speed of **50km/hr** for **3 hours**. Find the total distance from Kyenjojo to Fort portal.

(02marks)

b) Work out Akol's **average speed** for the whole journey.

(03marks)

27	Using a ruler, a pencil and a pair of compasses only, construct a triangle **RAT**. where **RA =7cm**, where angle **RAT = 75⁰** and line **AT = 6cm.**

(04marks)

b) Measure angle RTA.

(01mark)

28 a)	Use distributive property to workout. $(350 \times 15) + (85 \times 350)$	b)	Express the difference of **4587** and **242** in standard form.
	(02marks)		(02marks)

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c) Evaluate $5^2 + 3^1 + 100^0$.

(01mark)

29 Use the numberline below to answer the questions.

a) What is the value of **e**?

(01mark)

b) Write the multiplication sentence shown above.

(02marks)

c) Use a dail to workout.
$2 - 5 = $ ____ (finite 7)

(02marks)

30 The sum of **3** consecutive counting numbers is **30**. If the largest number is **W**
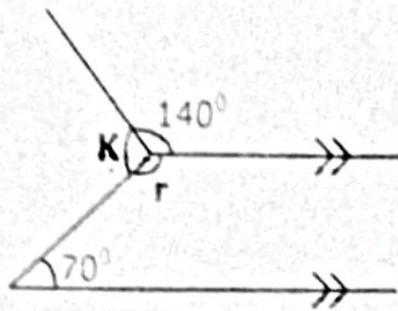
a) Find the numbers.

(03marks)

b) Workout the square of the third number.

(02marks)

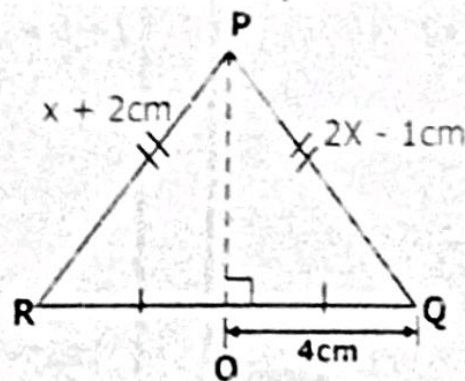**31** Study the figure below and answer the questions.

a) Find the value of **r**.

(02marks)

b) Workout the value of **K**.

(03marks)

32 Use the figure below to answer the questions.

a) Find the value of **X** in cm.

(02marks)

b) Calculate the area of triangle **POQ**.

(03marks)

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