THE VERIFIED UNEB BLUE PRINT ITEM (ONE)

SECTION A (40 MARKS)

1. Work out: 98 + 2

2. Write **404040** in words

3. Set **K** has **15** proper subsets. How many elements are in set **K**?

4. Use the number line to workout **3 x 2**.

5. What is the number **CDXLIV** in Hindu-Arabic written in the scientific form as **3.87 x 10³**?

that has been   6. Write numerals.

1000kg. Find bags.

8. The mass of **4 bags** is the mass of **seven** similar

7. Find the sum of the next numbers
the sequence.
    81, 64, 49, 36, _____,

9. Convert **4.5** tonnes to

two
in

_____
kilograms.

10. Workout 42_{five} + 44_{five}

11. A **forty minute** lesson ended at. **10:20a.m** .At what time had it begun?

12. Having sold a shirt at **Shs48,000**. A trader made a loss of **Shs2,000**. Find the price at which she had bought it.

13. Draw an angle of **60⁰** using a protractor and a very sharp pencil.

14. Workout: **2 – 3** = _____ (finite **5**).

15. Find the number that has been

expanded to give. **(8x10²) + (6x10¹) +**

(4x10⁰) + (3x10⁻²)

16. Okurut bought a **50kg** bag of sugar number of packets he got.

and packed it in packets of **½**. Find the

17. Convert **36km/hr**. to meters per

second.

18. Workout: **(4.8 x 108) – (8 x 4.8)**

19. Simplify: **9n – 5 – 2n + 9**

20. Workout: ¾ of **1000kg**.

SECTION B (60mks)

21. The venn diagram below shows the number of pupils that passed Mathematics **(M)** and science **(S)** in a class.

n(M)   n(S)

2x   10   x + 25

8

a).Find the value of **x** if **50** pupils passed science. (3mks)

b). How many pupils are in the class?(2mks).

22. Oboth went shopping and bought the Bought items on the list below.
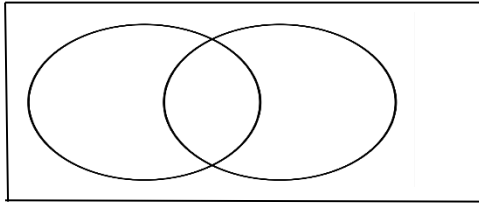
(a). Complete the table below. (2mks)

ITEM	QTY	UNIT COST	AMOUNT
Rice	4kg	Shs**4,000**	Shs………
Bread	3 loaves	Shs……..	Shs**15,000**
Milk	…….litres	Shs**2,000**	Shs…………
Total			Shs**35,000**

(b). If he was given a discount of **10%** on the total cost, how much did he pay? (3mks)
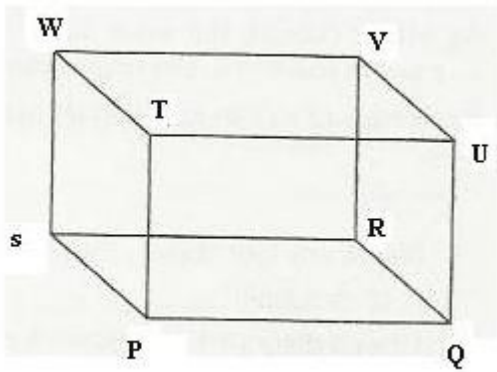
23.(a). Semanda left town **A** at **7:30a.m.** and moved to town **B** at **40km/hr** for **3 hours**. She continued to town **C** at **30km/hr** for **2 hours**. At what time did she reach town **C**?(2mks)

b). Calculate her average speed for the whole journey. (3mks)

24a).Simplify: $\frac{3}{4} - \frac{1}{2} + \frac{1}{3}$ (2mks)

(b). Find the volume of the cuboid. (3mks)

b). Workout: **0.036 x 0.9**   (3mks)
          0.18 x 0.3

(c). Calculate the total length of the edges.(2mks)

25.   The figure below is of a cuboid.   Study it and use it to answer the   the following questions.

      2(k – 1)cm

26.   a).Omondi is four times as old as Kalanzi now. **5** years ago, the difference between **(k+2)cm**   their ages was **36** year. How old is Kalanzi now?(3mks) **(k + 1)cm**
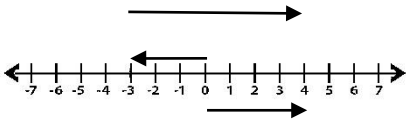
        (k + 4)cm

(a). Find the value of **K**. (2mks)

(b). How old was Omoding **5** years ago? (2mks)

29a). The interior angle of a regular polygon polygon is **144⁰**. How many sides has the polygon?(3mks)

27(a). Given that the current exchange

rates are:- Us $\$1$=UgShs**3,680**, TZShs**1**= UgShs**1.5**. How much money in Uganda shillings can I get if I have US $\$$**500**.(2mks)

(b). Calculate the sum of its interior angles. (2mks)

(b). If a bicycle costs UgShs**450,000**. How much money in **TZ** shillings can one pay for the bicycle? (2mks)

30.a). In a school with **1800** pupils, **60%** are girls, the rest are boys. Find the percentage of boys. (1mk)

(b). Calculate the number of girls in the school. (2mks)

28. Use the number line below to answer questions that follow.
a   b

c

(i) a = ___ (ii) b =_____ (ii) c= _____(1mk@)

(b). Write a mathematical sentence represented by arrows. (2mks)

(c). Find the number of boarder boys if $\frac{3}{4}$ of the boarders are boys. (2mks)

31. The table below shows the marks scored by some of the pupils in Maths when filled up.
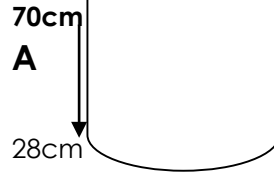test which was marked out of **20**

Marks	No. of pupils	Total marks
20	....	100
16	5	......
....	12	120
15	8	......

a.) below:

b). How

c). Workout their average mark.
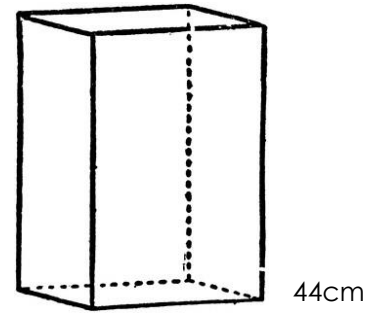
32. The two tanks hold the same amount of water

marks
Complete the table (2mks)
many pupils did the test? (1mk)

70cm

A

28cm

35cm

B

44cm

(2mks) (a). Find the radius of tank **A**. (3mks)

b).How many litres of water does tank **B** hold?