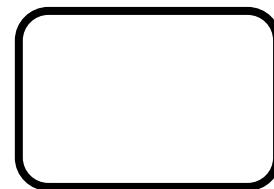# KISOZI BUDDO NURSERY AND PRIMARY SCHOOL
PRE PLE ASSESSMENT SET ONE INTERNAL, 2023
PRIMARY SEVEN
MATHEMATICS
Time Allowed: 2 Hours   30 Minutes

Name: …………………………………………….. Stream ………………..……...

INDEX NUMBER: ⬚⬚⬚⬚⬚⬚⬚⬚⬚

Read the following instructions carefully:

1. This paper has two sections **A** and **B**.
   Section A has **20** questions and Section B
   has **12** questions.

2. Answer all questions in both sections
   in the spaces provided with a **blue** or
   black pen.

3. Any **drawing** or **shading** needed must be
   done in **pencil** only.

4. Unnecessary **crossings** in your working
   may lead to **loss** of marks. So, try to **avoid** it.

5. Any poor handwriting and disorganized
   work may lead to **loss** of marks.

6. Do **not** fill anything in the boxes indicated
   "FOR EXAMINERS` USE ONLY"

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Answer all questions in this section.

Question 1 to 20 carry two marks each.
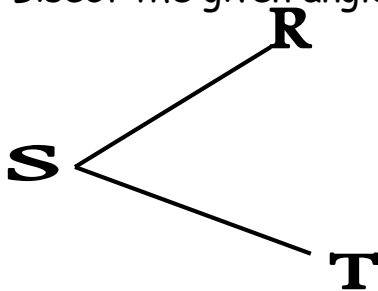
1. Workout: $55 + 63$

2. Expand 3314 using values.

3. Convert 1101_{two} to base ten.

4. The mean of 1, 3, x, 6 and 8 is 4. Find the value of x.
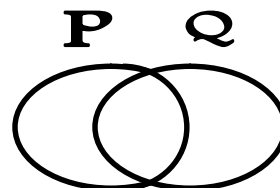
5. Bisect the given angle RST below.

6. An exercise book has x pages. Two exercise books have 64 pages. Find the value of x.

7. The area of a right angled triangle is 10 m² and its height is 4 m. Find the length of its base.

8. Shade $Q^|$ in the venn diagram below.

9. Workout: 20 X 12

10. Express $\frac{1}{30}$ as a decimal fraction.

11. Solve for p: $3(p - 2) = 6$

12. Expand 63.54 using powers of ten.

.

13. Workout 5×6 using a commutative property.

14. What is the square root of $\frac{1}{49}$?

15. In a Primary six class, there are 30 boys and 45 girls. What What is the ratio of boys to the total number of children in the class?

16. Given that stands for 5 cups. Draw such pictures to stand for 25 cups.

Turn over

17. Given that d = 4, and f = 7.
Find the value of 3f + fd.

18. The heights in cm of nine children
are given below: 135, 125, 140, 135,
150, 135, 125, 135, 125. What is
their median height?

19. Mugisha had a bundle of notes
Numbered consecutively from
AY2364895 to AY2364994. How
Many notes were in that bundle?

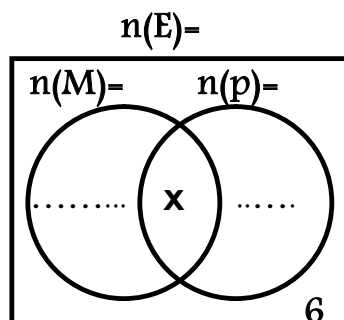20. Simplify: $^+3 - ^+5$

SECTION B: 60 MARKS

Answer all questions in this section.

Marks for each part of the question are indicated in the brackets.

21. At a party attended by 57 guests, 35 ate meat, 33 ate peas, **x** ate both
types of sauce, 6 ate none of the two sauces.
a) Complete the venn diagram below. **(2 marks)**

n(E)=

n(M)=   n(p)=

……..…   **x**   ……..

6

Turn over

b) Find the number of guests who like both sauces.   **(2 marks)**

22. a. What is the difference between the place value of 8 and the value 4 in the
    number 78564?   **(3 marks)**

    b. Round off 4983 to the nearest hundreds.   **(2 mark)**
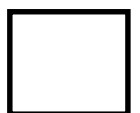
23. The mean of $2g + 5$, 6, $g - 4$, 10 and $g + 3$ is 8.

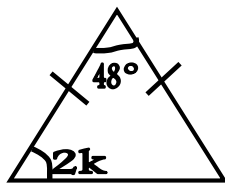a) Workout the value of g   **(3 marks)**

b) What is the median of given number?   **(2 marks)**

Turn over

24. a. Use the triangle LMN below to work out the value of k.   **(3 marks)**

b. In the figure below, AB is parallel to CD. What is the value of y. **(2 marks)**
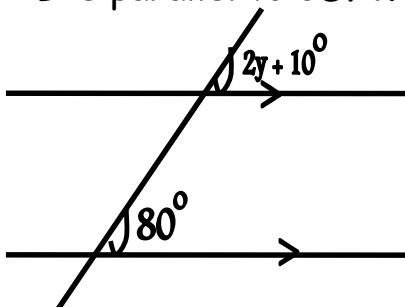
25. a. A trader sells laundry soap. ½ bar of laundry soap costs shs: 4500 and a box containing 25 bars costs shs: 118750. Calculate the saving per bar by buying a box of 25 bars.   **(3 marks)**

Turn over

b. In Rwanda, a mobile telephone dealer gives bulk buyers a 15% reduction. An average mobile phone costs FRW 50,000. How much will a buyer get for 100 of these phones? **(3 marks)**

26. a. With the help of a ruler, a pencil and a pair of compasses only, construct a parallelogram MAKE in which side MA is parallel to side KE, angle AKE = 450, MA = 7cm and AK = 4 cm. Drop a perpendicular line from K to meet line MA at p. **(4 marks)**

b Calcuulate the area of the parallelogram. **(1 mark)**

Turn over

27. The clock face below shows the afternoon time mummy came back from Kaitante market last Sunday. Use it to answer the questions that follow.
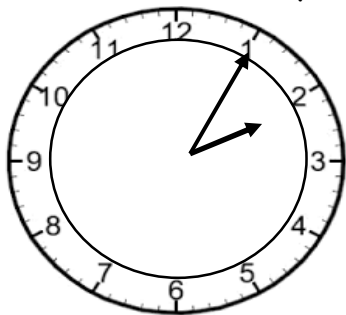
a. Express the time on the clock face in 24 hour clock notation. **(2 marks)**

b. It is 9:20 am now. What time will it be after 3 hours? **(2 marks)**

28. A jumbo exercise book costs shs: **n** and a normal exercise book costs shs: 500 less than the Jumbo exercise book.
   a. Find the total cost of a Jumbo and normal exercise books in terms of **n**.
   (2 marks)

   b. Workout the cost of each type of books if Nankoma paid shs: 5500 for the Jumbo and normal books altogether. **(3 marks)**

Turn over
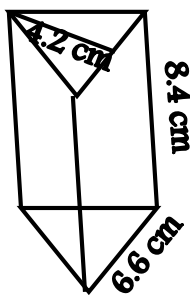
29. a. Simplify: ⁻3 – 9 + 5 using a number line. **(3 marks)**

b. The temperature during the day in a cold country is 9^0c. At night, the temperature falls by 13^0c. What is the night temperature? **(2 marks)**
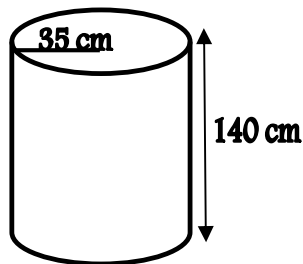
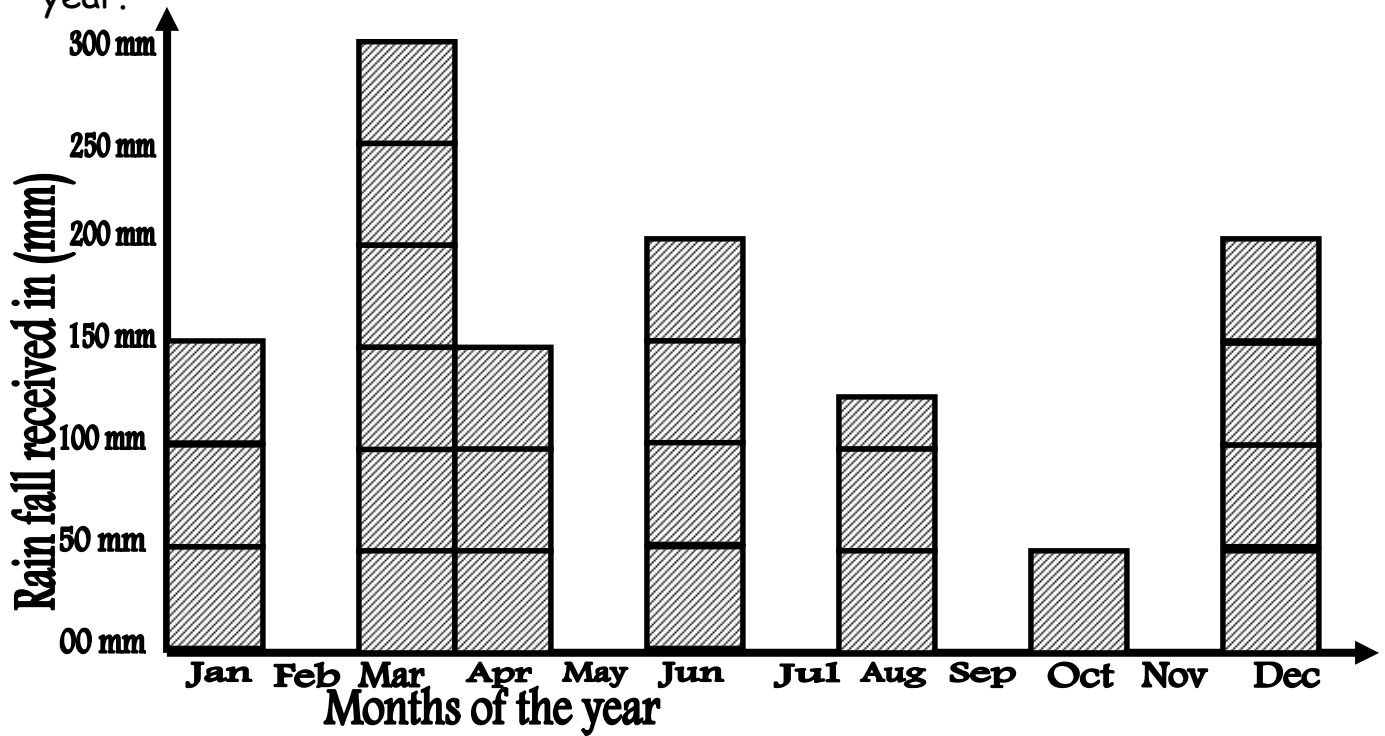30. a. Find the volume of the triangular prism below **(3 marks)**

b. calculate the capacity of the water tank below in litres. **(3 marks)**

Turn over

31. The bar graph below shows the rain fall in mm in a town for each month in a year.

a. Which moth had the most rain fall?   **(1 mark)**

....

b. How many mm of rain fall in the wettest month?   **(1 mark)**

....

c. Find in mm, the total rain fall for the whole year.   **(2 marks)**

....

....

d. Which months had no rain fall?   **(1 mark)**

....

32. Morgan bought the following items from the market.

   3 kg of beans at shs: 12000,   9 tomatoes at shs: 1000 for every 3 tomatoes,
   ½ litres of cooking oil at shs: 6000 a litre,   and   500gms of onions at
   shs: 2000 per kg.

   If he actually paid shs: 17100 after the discount, how much was the discount?
                                                                         (5 marks)

Revise and practise questions in this paper very well.