



# BHUTAN COUNCIL FOR SCHOOL EXAMINATIONS AND ASSESSMENT

## COMPETENCY BASED ASSESMENT TEST

**SUBJECT: MATHEMATICS**

**TOTAL MARKS: 50**

**CLASS: III**

**TIME: 1 HOUR 15 MIN**

**Name:**.....

**Roll No:**.....

**School:**.....

**Section:**.....

**Dzongkhag/Thromde:**.....

**Gender:**.....

### Points to Remember

1. First write your **name, roll number, section, name of your school and Dzongkhag** in the space given above.
2. Read the **questions** carefully. You must answer **all** questions.
3. **Do not** write in the first 15 minutes. This time is to be spent in **reading the questions**.
4. Write your answers to each question in the **given space**. The mark for each question is given in the **brackets**.
5. You have **one hour** to finish the test. Make good use of the given time.
6. You are **allowed** to ask your teacher to read or explain any question.

### For teacher's use only

MCQ	i	ii	iii	iv	v	vi	vii	viii	ix	x	Tot	Sig
Options											20	
Marks Scored												

Qs.no	2	3	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b	Tot	Sig
Marks	5	5	2	2	2	2	2	2	2	2	2	2	30	
Marks Scored														

## Answer ALL Questions

### Question 1

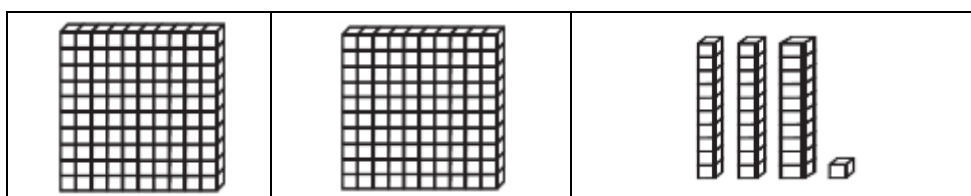
[20 Marks]

**Direction:** Each question in this section is followed by **FOUR** possible choices of answers.

Choose the most correct answer and write it down in the space provided.

Each question carries 2 marks.

- i. What number does the following set of base ten blocks represent?



- A 132
- B 230
- C 231
- D 240

**Answer**.....

- ii. Electric cars are also used as taxis in Bhutan. It can carry 5 persons. How many such taxis are required to carry 40 persons?

- A 45
- B 35
- C 20
- D 8

**Answer**.....

- iii. What is the fraction word for  $\frac{1}{3}$ ?

- A one sixth
- B one fifth
- C one fourth
- D one third

**Answer**.....

iv. The table below shows the distance between different places of Bhutan.

FROM	TO	DISTANCE
Punakha	Thimphu	68 km
Thimphu	Phuntsholing	171 km

Estimate the total distance from Punakha to Phuntsholing.

**A**  $60 + 170 = 230$

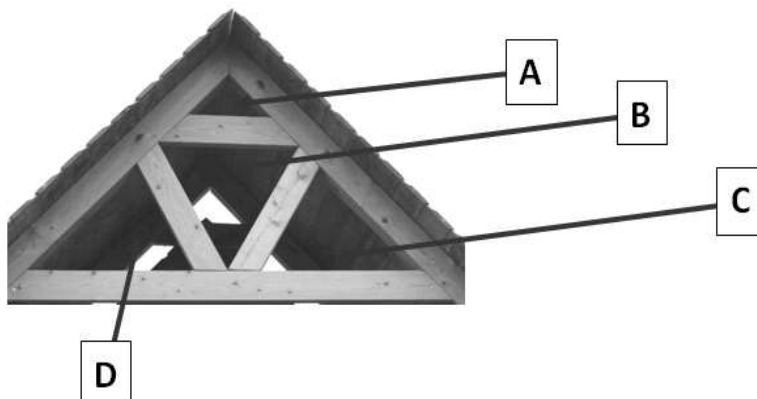
**B**  $60 + 170 = 240$

**C**  $70 + 170 = 240$

**D**  $70 + 170 = 230$

**Answer**.....

v. From the diagram below, which of the following statement is **TRUE**?



**A** Shape A and B are congruent.

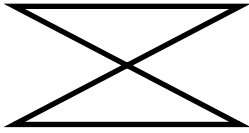
**B** Shape C and D are congruent.

**C** Shape A and D are similar.

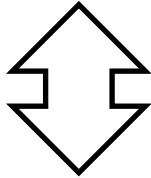
**D** Shape B and C are similar.

**Answer**.....

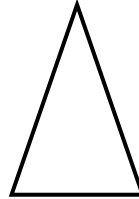
vi. Which one of these have one line of symmetry?



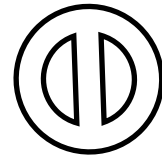
A



B



C



D

**Answer**.....

vii. Tshering came to meet his son who studies in class nine. Help him to find his son's class room.

A

Class IV

B

Class IX

C

Class VI

D

Class XI

**Answer**.....

viii. One village has 218 people and another village has 391 people. About how many **more** people are there in the second village?

A About 500

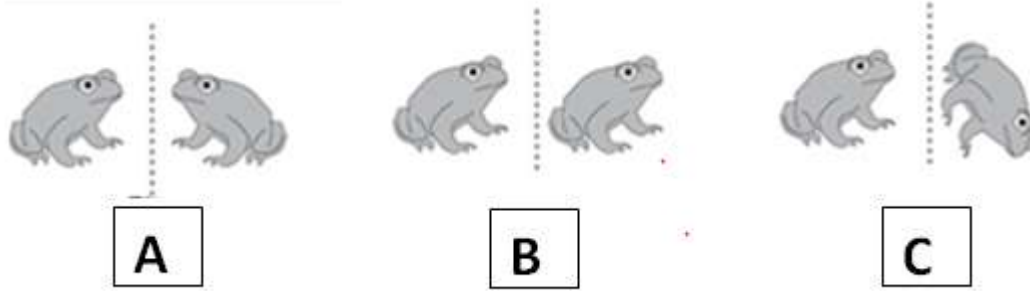
B About 200

C About 191

D About 182

**Answer**.....

ix. Look at the diagram below.



If the diagram **A** shows **flip** then what kind of movement is applied to **B** and **C**?

**A** slide and turn

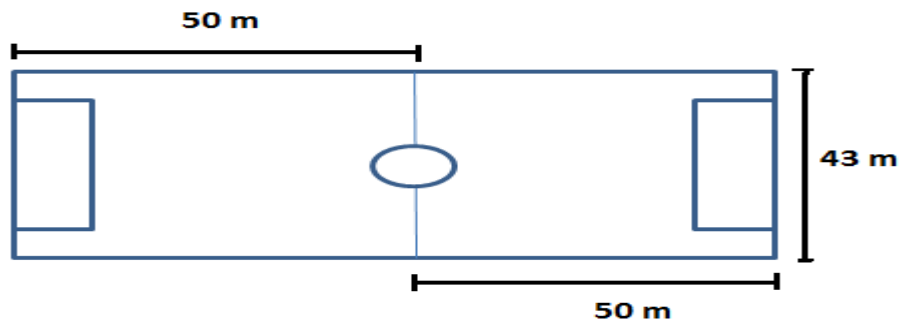
**B** flip and turn

**C** slide and flip

**D** turn and slide

**Answer**.....

x. Study the diagram given below and find the perimeter of the football ground.



**A** 93 m

**B** 200 m

**C** 243 m

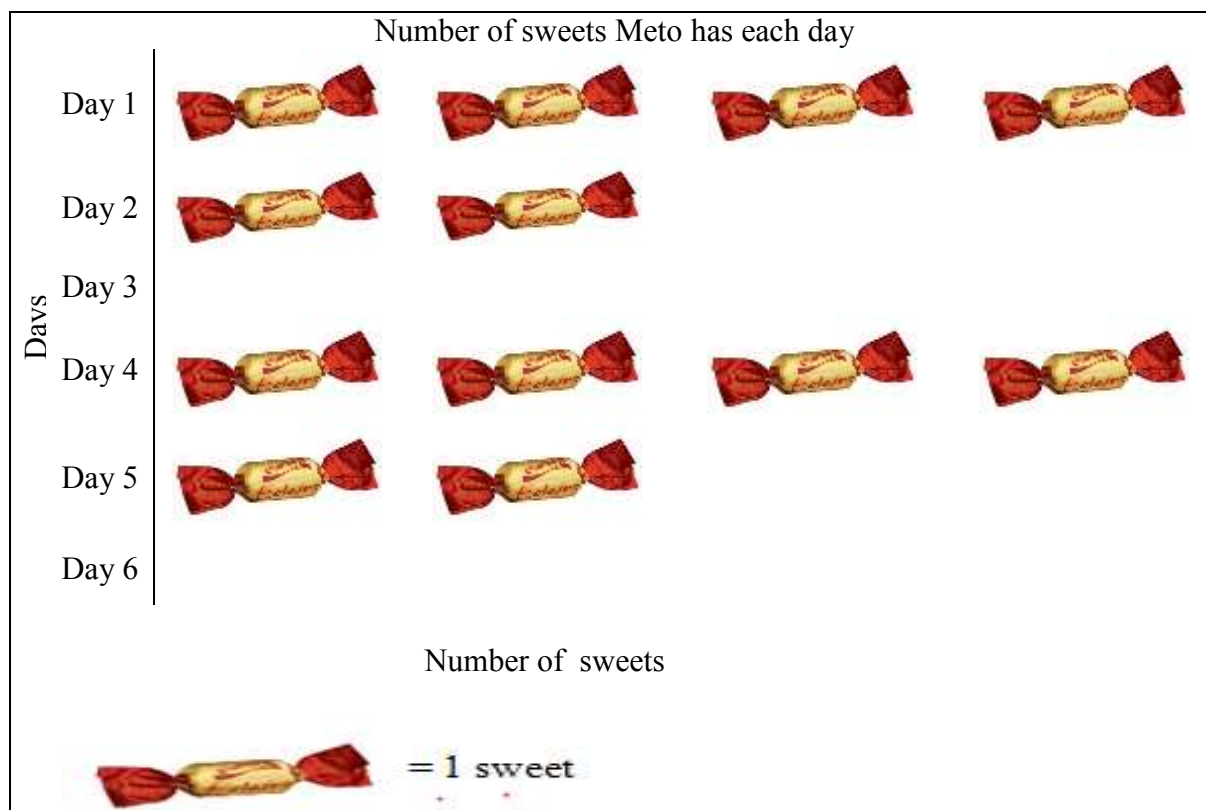
**D** 286 m

**Answer**.....

## Question 2

[5]

The pictograph below shows the number of sweets Meto has each day.




Use the pictograph above to circle **Yes** or **No** in the table given below. One is done for you as an example.

	Statement	
	The scale of the above graph is 1 symbol = 1 sweet.	<u>Yes</u> / No
i	Meto has two less sweets on day 2 than on day 1	Yes / No
ii	Meto has no sweet on day 5	Yes / No
iii	Meto has total of 13 sweets	Yes / No
iv	The data in the above graph shows <b>ABC</b> pattern	Yes / No
v	<b>4,2,0, 4,2,0</b> .....is a repeating pattern.	Yes / No

### Question 3

[5]

Match each item in **Column A** against its correct answer in **Column B**.  
Rewrite the correct matching pairs in **Column C**.

Column A	Column B	Column C
i) You get 20 when you add 5 and 15.	a) scale	i.....
ii) All your classmates will be in Class IV next year.	b) certain	ii.....
iii) Symbol  = 2 students in a graph	c) title	iii.....
iv) If you roll a die, you always get 6 on the top.	d) likely	iv.....
v) The .....tells what the graph is about.	e) impossible	v.....
	f) labels	

#### Question 4

[4]

- a. There are 850 students in a school. 435 students are boys.  
Write the number of girls in the **expanded form**.

[2]

- b. Draw a set of shape to represent  $\frac{2}{5}$ .

[2]

#### Question 5

[4]

- a. Class III students practiced dance for their cultural show from 27 March to 2 April.  
How many days did they practice? How many weeks was that?

[2]



- b. Tashi Wangmo added  $246 + 35$  as shown below and wrote the sum as 596.  
What mistake did she make?

[2]

Hundreds	Tens	Ones
2	4	6
+ 3	5	
5	9	6




$$246 + 35 = 596$$

## Question 6

[4]

- a. The table below shows the items Karma bought from a shop.  
Help Karma to complete the table.

[2]

	Item Name	Price of each item	Total Amount
<b>Example</b>		Nu 15	Nu 15
<b>I</b>		Nu 5	Nu .....
<b>II</b>		Nu.....	Nu 30

- b. Amit, Srijana, Karsel and Choki found 36 marbles. Amit gave 8 marbles to each of his friends and kept the rest. Did he share the marbles equally?
- How do you know it?
  - How can you share the marbles equally? Show your Work.





[2]

### Question 7

[4]

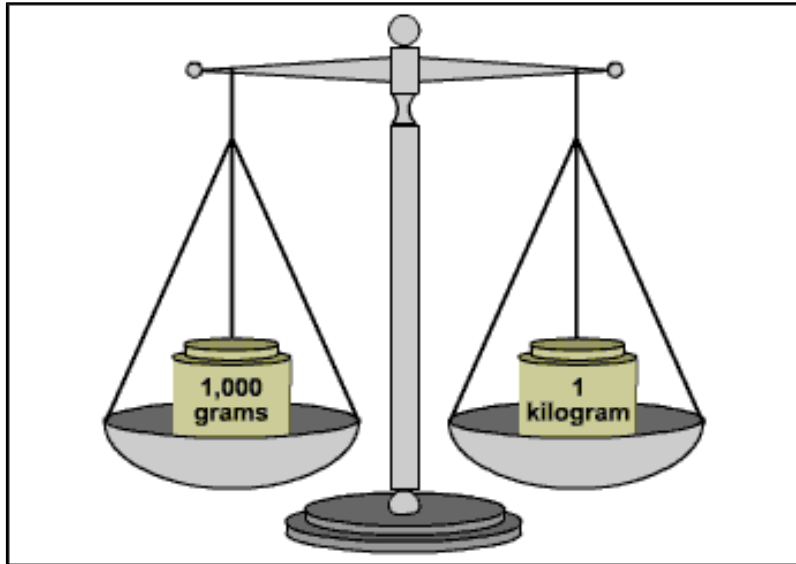
- a. Which of the following instruments can be used to measure the height of a wall?

[2]

			
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>

- b. The balance in the figure shows  $1000\text{g} = 1\text{ kg}$ . Use this equation to answer the question below.

[2]



If a geometry box has a mass of 200g, how many geometry boxes will be needed to make 1 kg?

## Question 8

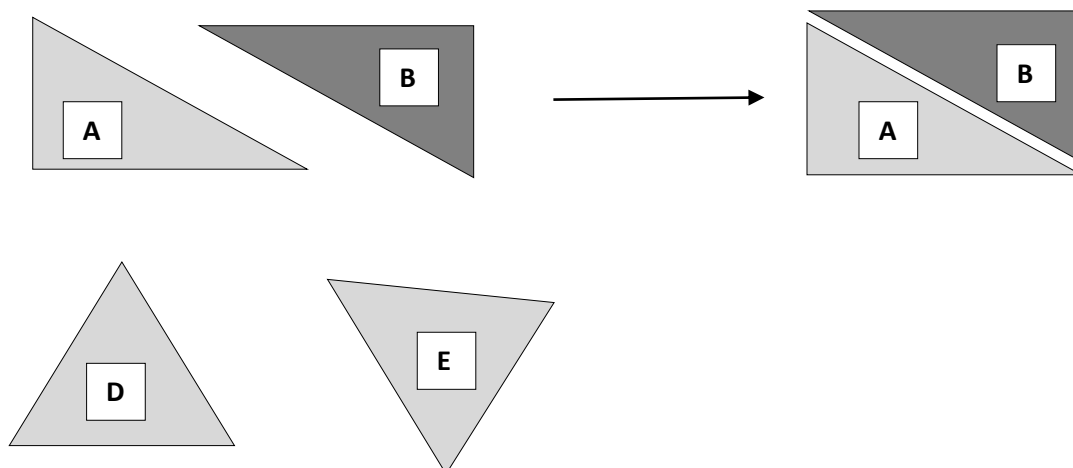
[4]

- a. If we add shape **A** and **B** we get a rectangle.

Lhamo says we can get a rectangle when shape **D** and **E** are added. Do you agree?

Explain.

[2]



b. Draw a sketch of a net for the chalk box below.

[2]



\*\*\*\*\*ROUGH WORK\*\*\*\*\*