

COMPETENCY BASED ASSESSMENT TEST

SUBJECT: MATHEMATICS

TOTAL MARKS: 50

CLASS: III

TIME: 1 HOUR 15 MINS

Name: _____

Roll No: _____

School: _____

Section: _____

Dzongkhag: _____

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.
3. **15 minutes** time is allocated for reading the questions.
4. Write your answers to each question in the given space.
5. You must answer **all** questions.
6. You have **one hour** to finish the test. Make good use of the given time.
7. The mark for each question is given in the brackets.
8. Do **not talk** with your friends during the test.

For teacher's use only

| Q. 1 | <i>i</i> | <i>ii</i> | <i>iii</i> | <i>iv</i> | <i>v</i> | <i>vi</i> | <i>vii</i> | <i>viii</i> | <i>ix</i> | <i>x</i> | <i>Tot</i> | <i>Sig</i> |
|---------------------|----------|-----------|------------|-----------|----------|-----------|------------|-------------|-----------|----------|------------|------------|
| Options | | | | | | | | | | | 20 | |
| Marks Scored | | | | | | | | | | | | |

| Q(2-9) | 2 | 3 | 4i | 4ii | 4iii | 4iv | 5a | 5b | 6a | 6b | 7a | 7b | 8a | 8b | 8c | 9a | 9b | Tot | Sig |
|---------------------|----------|----------|-----------|------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Marks | 4 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 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.

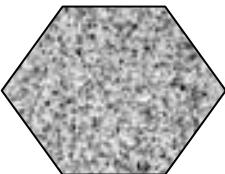
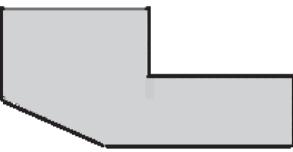
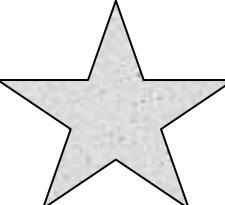
Choose the most correct answer and write it down in the space provided. Each question carries 2 marks.

i. The expanded form of 3402 is

- A $3000 + 4000 + 2$.
- B $3000 + 400 + 2$.
- C $3000 + 40 + 2$.
- D $3000 + 4 + 2$.

Answer.....

ii. Which of these shapes is a pentagon?

- A 
- B 
- C 
- D 

Answer.....

iii. Today is Tuesday. Which of the following is **certain**?

- A Tomorrow will be Monday
- B Tomorrow will be sunny day
- C Tomorrow will be windy day
- D Tomorrow will be Wednesday

Answer.....

iv. Dawa weighs 10 apples of equal sizes.

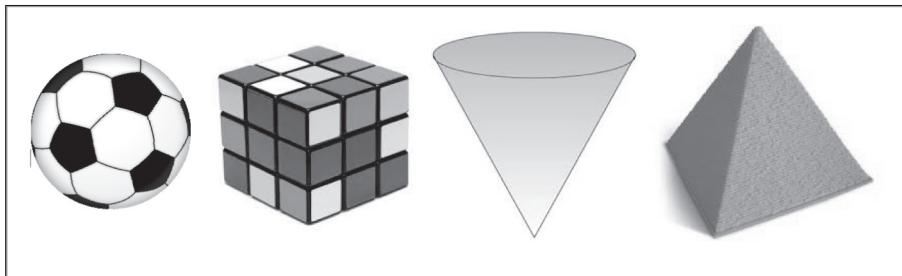


What is the mass of the apples?

- A 100 g
- B 250 g
- C 500 g
- D 1000 g

Answer.....

v. Yangchen drew the shapes as shown below.

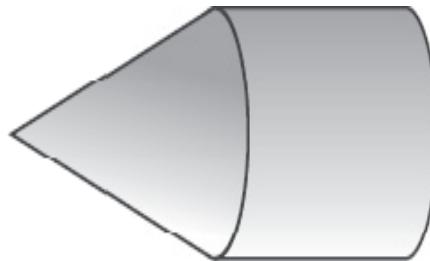


What fraction of the shapes are with **circular base**?

- A $\frac{5}{4}$
- B $\frac{3}{4}$
- C $\frac{2}{4}$
- D $\frac{1}{4}$

Answer.....

vi. Kuvam joined **two** blocks together to make this object.

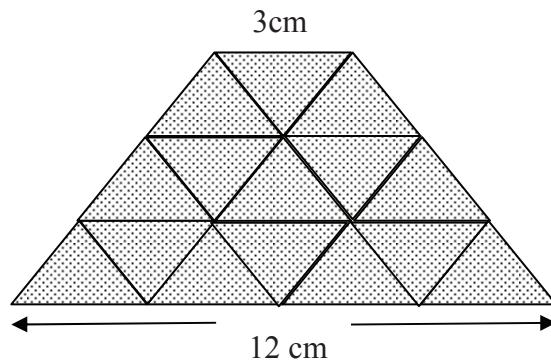


He used a cone and a

- A cube.
- B cylinder.
- C triangular prism.
- D triangular pyramid.

Answer.....

vii. Find the **perimeter** of the shape given below.



- A 15 cm
- B 24 cm
- C 33 cm
- D 36 cm

Answer.....

viii. After the class test, Menda groups 33 students into **four** types as shown below.

| | Passed | Failed |
|-------|--------|--------|
| Boys | 12 | 10 |
| Girls | ? | 6 |

How many **girls** passed in the test?

- A 5
- B 6
- C 10
- D 12

Answer.....

ix. Here is a calendar.

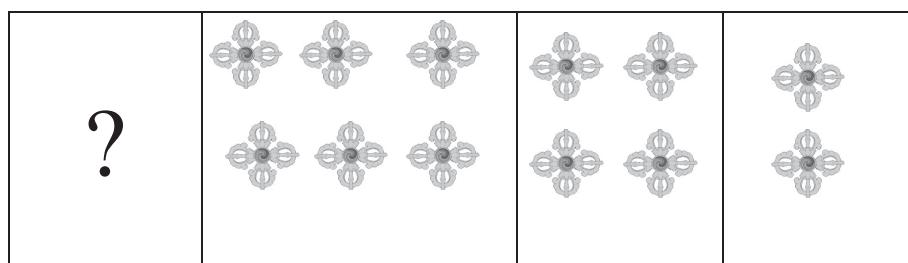
| July, 2006 | | | | | | |
|------------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| 31 | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

Dema was born on July 14 and Nima was born on July 28. By how many weeks is Dema older than Nima?

- A** 1 week
- B** 2 weeks
- C** 3 weeks
- D** 4 weeks

Answer.....

x. Kinga is making a pattern as shown below. How many numbers does he require to complete the pattern?



- A** 10
- B** 9
- C** 8
- D** 7

Answer.....

(Answer all questions in this section and write it down in the given spaces)

Question 2

[4]

The table below shows Mani's Sunday timetable. Put () to show that his activities are **TRUE** or **FALSE**. One is done for you as an example.

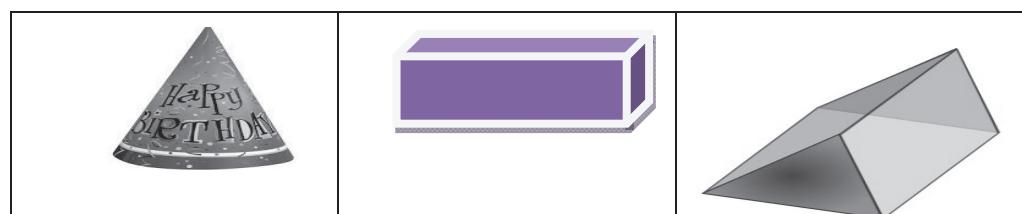
| Activity | Start time | Finish time |
|----------------|------------|-------------|
| Eat break fast | 7:00 a.m | 7:30 a.m |
| Read books | 7:30 a.m | 9:30 a.m |
| Take bath | 9:30 a.m | 10:00 a.m |
| Wash clothes | 10:00 a.m | 12:30 a.m |
| Eat lunch | 12:30 noon | 12:45 p.m |

| | Activities | True | False |
|----|--|-------------------------------------|-------|
| a) | He took 30 minutes to finish eating breakfast. | <input checked="" type="checkbox"/> | |
| b) | He read books for two hours. | | |
| c) | He started to take bath at 10:00 a.m. | | |
| d) | He took more time in washing clothes than taking bath. | | |
| e) | He took 45 minutes to eat lunch | | |

Question 3

[2]

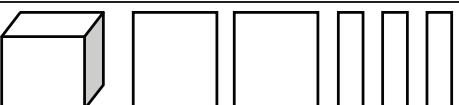
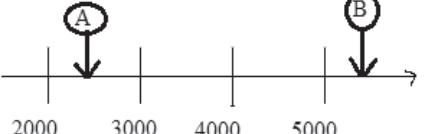
Fill in the blanks with appropriate answers.



| | | | |
|--------------------|---------|-------------------|---------|
| Name of 3-D shape | a)..... | Rectangular prism | b)..... |
| Number of vertices | 0 | 8 | 6 |
| Number of faces | 1 | c)..... | 5 |
| Number of edges | 0 | 12 | d)..... |

Question 4**[4]**

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

| | Column A | | Column B |
|-----|--|--|--------------------------------|
| i |  | | a) One litre |
| ii |  | | b) 5 cm |
| iii |  | | c) 1 thousand 2 hundred 3 tens |
| iv |  | | d) $A < B$ |
| | | | e) $B < A$ |

Answers: i....., ii....., iii....., iv.....

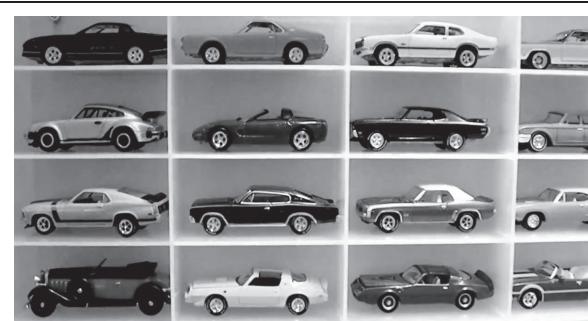
Question 5**[4]**

- Chimmi picked 13 apples and Seldon picked 17 apples. How many **more** apples did Seldon pick than Chimmi? How many apples were picked in all? **[2]**
- Namgay has solved the following division problem. Do you think he has solved it correctly? Solve the problem again if it is incorrect. **[2]**

$$36 \div 6 = 5 \text{ as } 36 - 5 - 5 - 5 - 5 - 5 = 0$$

Question 6**[4]**

a. Write multiplication and division facts using the pictures given below.

[2]

Multiplication fact:.....

Division fact:.....

b. Roshan is counting up by **threes**. She starts to write this pattern as shown below.

[2]

3,6,10,12,16,18,21,.....

Do you agree with her pattern? Write the correct pattern if it is incorrect.

Question 7**[4]**

a. Yangzom went for shopping with her mother. They bought the following items:

[2]

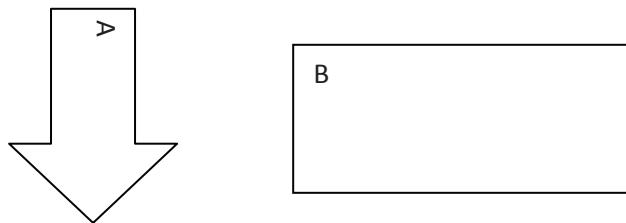
- a gho for Nu 430
- a lagay for Nu 120
- a pair of shoes for Nu 310
- a pair of socks for Nu 55

Complete the following table and calculate the total amount spent by Yangzom's mother.

| | Hundreds | Tens | Ones |
|---------------------|-----------------|-------------|-------------|
| gho | | | |
| lagay | | | |
| shoes | | | |
| socks | | | |
| Total amount | | | |

b. Look at the shapes given below.

[2]

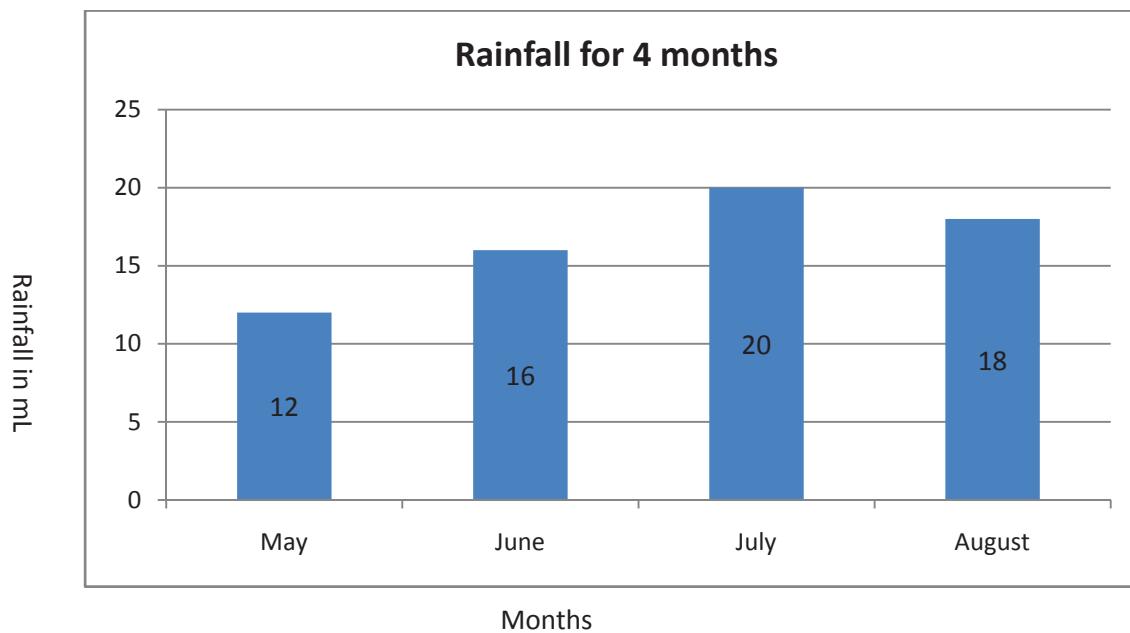


Which shape will have **two** lines of symmetry, shape **A** or **B**? Draw a line of symmetry through each of them.

Question 8

[4]

Answer the questions about the bar graph given below.



a. Which month has the **heaviest** rainfall? How do you know?

[1]

b. How much **more** rainfall was there in July than in May?

[2]

c. Do you expect more rainy days in the month of September? Yes or No. Why? [1]

Question 9 [4]

| | | | |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <input type="button" value="5"/> | <input type="button" value="9"/> | <input type="button" value="3"/> | <input type="button" value="7"/> |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|

a. Make the **greatest 3-digit** number using these cards. Write your answer on the blank cards. [2]

| | | |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|

b. Draw a **3-D** shape. Also draw a **net** of the shape. [2]

*****ROUGH WORK*****