Maths Olympiad Level 3

Sections	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	TOTAL
Marks obtained											

General Instructions:

1. Duration of the exam is one hour.

2. The exam should be answered using pencil on the question paper itself.

3. Please read the questions carefully before answering them.

4. Fill in your details on this page before the exam begins.

Student Details:

Name _____

Std _____

Level Appearing for _____

Honour Code:

I pledge that I will not copy or take help from my friends/teachers while answering questions during this exam.

Signature/Name _____

Q1. Fill in the blanks with the number that comes before or after the given number and show it on the abacus. **(6)**

358 , ___   H   T   O   ___ , 651   H   T   O

762 , ___   H   T   O   ___ , 215   H   T   O

Q2. Write the numbers filled in the blanks in Q1 in descending & ascending order. **(1)**

Ascending Order: _____

Descending Order: _____

Q3. Observe the pattern used in each row and complete the same. **(3)**

1.

◇	⊘	◇	⊘				

2.

◯	△	◯	△	◯			

Q4. Draw the following using a ruler. **(3)**

1. A line measuring 6.5 cms

2. A line measuring 4 cms

3. A cylinder

Q5. Solve the following. **(8)**

1. A ladder is 4 m high. Ramesh has climbed 245cm up the ladder. How many more cms does he need to climb to reach the top of the ladder?

2. A table costs Rs. 780. What will be the cost of 6 such tables?

3. There are 96 oranges in a basket. They have to be shared equally among 12 people. How many oranges will each one get?

4. There were 450 mangoes in a cartoon. 275 mangoes were rotten and were therefore removed. How many mangoes were remaining in the cartoon?

Q6. Solve the below fractions. (3)

$$\frac{5}{9} \quad + \quad \frac{3}{9} \quad = \quad \underline{\qquad}$$

$$\frac{7}{10} \quad - \quad \frac{2}{10} \quad = \quad \underline{\qquad}$$

Q7. Solve the following. (4)

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kg    g                          ltr    ml
 2    324                          8    348
+2    731                        +  1   568
_____                        _____
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Change to ml –> 5 liters 2506ml

Change to cm –> 3 m 45cm

Q8. Answer the following questions. (8)

1. What is the standard number for 200 + 80 + 6 is _____.

2. Which of the following is not a fraction 1/3, 2 /6, 5? -> _____

3. What unit is used to measure wheat? -> _____.

4. 245 cm is less than 2m 5 cm. Say true or false. -> _____.

5. Quarter past 1 is equal to 45 minutes to 2. Say true or false ? -> _____.

6. 360 g + 640 g equals 1 kg. Say true or false. -> _____.

7. A cone is a solid shape. Say true or false. -> _____.

8. Complete the pattern -> 3,6,9,12, ___, ____.
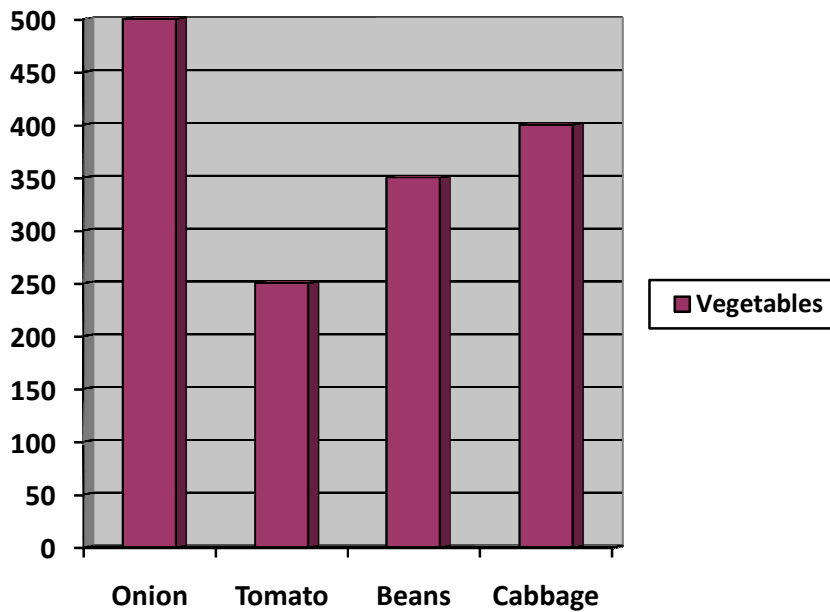
Q9. Find the missing numerator. (3)

1. $\dfrac{1}{7} = \dfrac{\boxed{}}{21}$

2. $\dfrac{\boxed{}}{12} = \dfrac{4}{24}$

Q10. Look at the graph and answer the questions given below. (6)

The graph below shows the number of vegetables grown in a farm every month in kilograms.

1. What is the total quantity of vegetables grown on the farm in a month?

2. What vegetable does the farmer grow in the largest quantity?

3. What is the total quantity of tomatoes and beans grown on the farm in a month?

4. What is the quantity of cabbage grown on the farm in a month?

5. Of which vegetable does the farmer grow 350 kgs of in a month?

6. If the quantity of onion is removed from the total quantity of vegetables. What will be the quantity of the remaining vegetables?