

Mathematics

Lets utilize these extended vacations to sharpen our mathematical and logical skills with the help of these exercises.

- *Answer these questions on ruled sheets. Attach the graphs along with the sheets and answer the questions based on the graph on the ruled sheet.*
- *Do not write the question. Only write the answers, but write the answer number clearly*
- *These assignments must be submitted on 8th of July as these will be graded for this month.*

Assignment 1:

Q1: Collect the minimum and maximum temperature of any 8 cities of the country on any particular day in the month of June.

Record these in a tabular form and attempt the following:

- ❖ Calculate the range of temperature for each city.
- ❖ Plot a double bar graph from the data collected.
- ❖ Which city has the maximum difference in day's temperature?
- ❖ Which city has the lowest range of temperature?
- ❖ Which are the hottest and the coldest cities?

Q2: With the help of a double bar graph, make a comparative study of the prices of any 6 fruits/vegetables at a mother dairy outlet and a vegetable vendor and draw your conclusions.

Q3: Write numbers from 1 to 9 so that each row, column and diagonal add up to the same number.

	9	2
8		

6		
	5	
8		

Assignment 2

Solve the following word problems. These will help you revise the concepts done in class.

1. When the birthday cake was about to be served, you were told you could have 0.6, 60% or $\frac{3}{5}$. Which of the 3 will give you the largest portion?
2. $\frac{4}{7}$ of the apple pie was eaten on Monday. The next day your dad ate $\frac{1}{2}$ of what was left. You get to finish the pie, how much did you eat?
3. A departmental store has a parking lot that will hold 1000 vehicles. $\frac{2}{5}$ of the parking

spaces are for cars. When you went to buy your groceries, there were 200 cars and some trucks in the parking lot.

The parking lot was $\frac{3}{4}$ full. How many trucks were in it?

4. Anita is making snowballs to build a fort. She can build 15 snowballs in an hour but 2 snowballs melt every 15 minutes. How long will it take for her to build 210 snowballs?

5. The recipe for mint chocolate ice cream requires two $\frac{1}{4}$ cups of creams for 5 people. You need ice cream for 8 people. How much cream will you need?

6. An 800car parking lot is divided into 3 sections. There are 270 spots in section 1, and 150 more in section 2 than section 3. How many spots are in section 2?

7. A bag of marbles can be shared equally among 3, 5 or 6 students with none left over. What's the least amount of marbles that can be in the bag?

8. Ram built a fence around his rectangular shaped pool. The posts are 2 m apart; there are 4 posts along the width and 8 posts along the length. How many posts does Ram need and what are the dimensions of the fence?

Assignment 3

This assignment will help you revise all the four mathematical operations. Do keep in mind the order of the operations while solving.

Fill in the missing numbers.

1. $\square \div \square \times \square = 455$

Use the numbers: 35, 52, and 4

2. $\square \times \square - \square \square \square^{3,669}$

Use the numbers: 1, 47, 78, 2, and 4

3. $\square - (\square \times \square) = 86$

Use the numbers: 3, 4, and 98

Fill in the missing operations.

1.. $(9 \bigcirc 2 \bigcirc 36 \bigcirc 13) = 25$
Use the operations: \times , $-$, and $+$

2. $60 \bigcirc 3 \bigcirc 1 = 181$
Use the operations: \times and $+$

3. $96 \bigcirc 8 \bigcirc 4 = 8$
Use the operations: \div and $-$

4. $(6 \bigcirc 20) \bigcirc 4 \bigcirc 96 \bigcirc 1 = 496$
Use the operations: \div , $+$, \times , and \times