

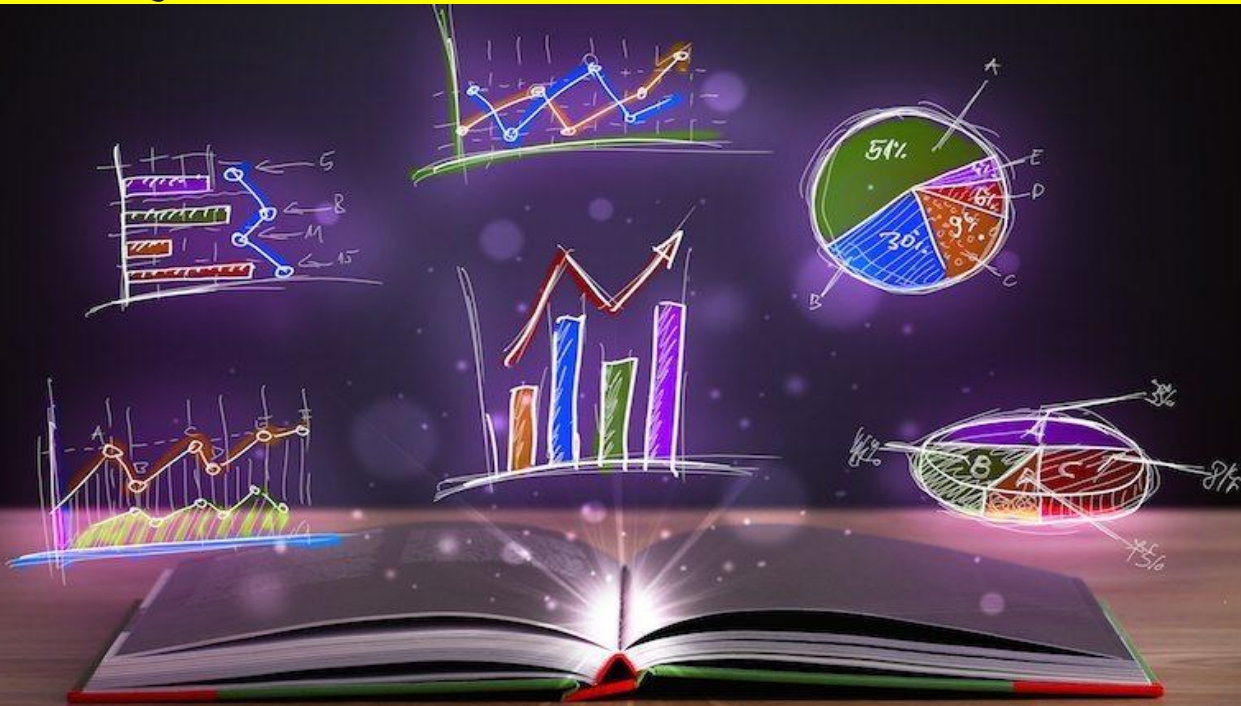
MATHLETE



(अक्सर पूछा करते हैं.....)

Classes – 6th to 8th

Series
3



MATHEMATICAL LITERACY GROUP- CHANDIGARH

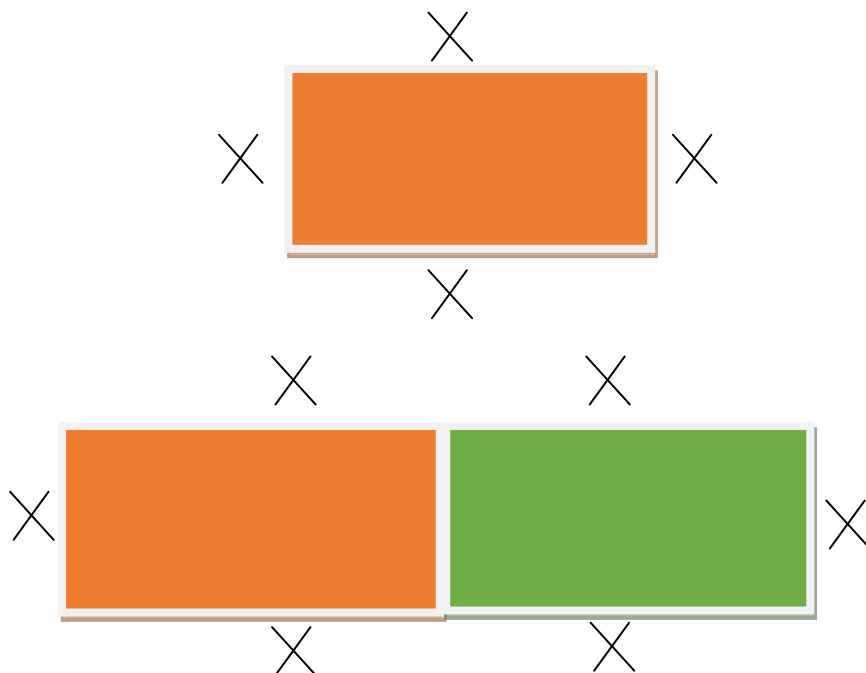
MY SCHOOL CANTEEN



The school canteen is a great place to promote an enjoyment of healthy eating. For students who use the canteen regularly, the food purchased makes a significant contribution to their total food intake and nutrition; therefore, it makes sense to ensure the best food possible is available to enhance their ability to learn and take in the information presented to them in class.

Task 1

In my school canteen, 4 people can sit together at 1 table. If 2 tables are placed together, 6 people can sit together, as shown



Ritu wants to arrange a party for her classmates on her birthday in the school canteen. She and her friends want to sit together around the tables as per the arrangement shown. They all are 14 in number. How many tables they need to join together? Draw the arrangement.

Show your work

Task 2

Food preferences are developed in childhood. By promoting and encouraging healthier food choices during childhood, it is anticipated that healthy eating habits will be carried through to adulthood and may go some way to help prevent chronic disease later in life.

Keeping in view the above lines the school decides to introduce fruit chat as a healthy snack.



For making 48 plates of chat 1kg Apples, 1kg Guavas, 1kg Papaya, 2 dozen Bananas, $\frac{1}{2}$ kg Grapes and $\frac{1}{4}$ kg Lemons are used.

- a) If on the first day students bought 184 plates of fruit chat, calculate the number of bananas used to make 184 plates of fruit chat.
- b) 1250 gms of grapes will be used to make how many plates of fruit chat?

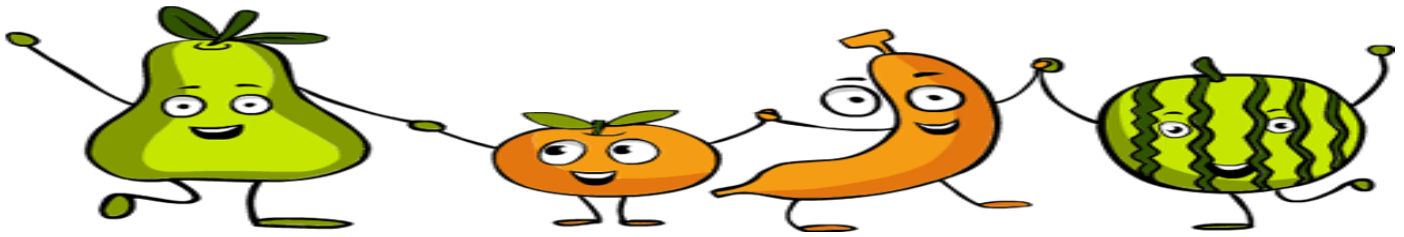
Show your work

Task 3

The fruit chat is a hit among the students. Keeping in view the contractor decided to make fruit chat for the next day too. He went to the fruit market.



He bought the fruits required for chat at the following rate:



Fruit	Price
Apple	₹ 200/kg
Guava	₹ 50/kg
Grapes	₹ 100/kg
Papaya	₹ 45/kg
Bananas	₹ 60/dozen
Lemons	₹ 60/kg

- a) The canteen contractor was selling one plate of fruit chat at the profit of 40%.What is the price of one plate of fruit chat?
- b) School authorities found the fruit chat to be expensive and told the canteen contractor to cut his profit by 25%.What will be the new price of one plate of fruit chat?

Show your work to justify your answer.
