DAY-TO-DAY MATHS

Look at the following situations. Are the people involved in these situations using maths. If so, how?

Prashant gets up at 7 AM. It takes him 5 minutes to walk to the bus stop. The school bus arrives at 7:50 AM. How much time does he have to get ready for school?

Richa notices that there are equal number of seats on each side of the bus. She also notices that there are an equal number of seats in each row. Richa counts 12 seats on each side. How many seats are there in each row? How many seats are there in all?

Ramesh has been selling bananas since morning. He had 320 bananas. By evening he has 54 left with him. How many bananas did Ramesh sell?

Sarojini takes 25 minutes for cooking rice, 20 minutes for cooking curry and 15 minutes for rasam. If she has to serve food at 8:00 o'clock, at what time should she enter the kitchen?

Now can you think of some situations where you use maths in your daily life?

Kid's Toy Shop

Carefully look at the picture given below. Some toys along with their prices are given.

You have ₹ 50 with you. Select any 3 toys which you would like to buy such that you spend all the money.

Name of toys	Spent money
Example : aeroplane + duck + ball	₹ 50

Making toys with clay

Sudheer wants to make a toy elephant, a toy cat and a toy rat with clay. The elephant needs 5 kg clay, the cat needs 3 kg and the rat needs 1 kg. How much clay is needed to make all the toys?

Toys   **Clay needed**

| | kg |

Total clay =   kg

Make more problems like the ones given above.
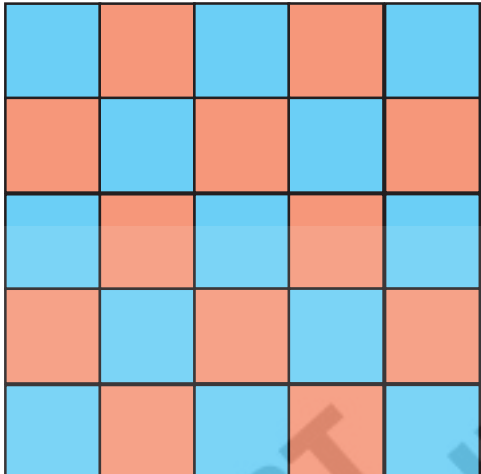
Riya's ribbons

Riya went to market to buy ribbons of 3 colours. She bought 3 blue ribbons, 5 red ribbons and 10 green ribbons.

Ribbons   **Cost of each ribbon**

How much money did Riya pay in the shop?

Santosh's classroom

Santosh is looking at the floor of his classroom. He is counting the number of tiles used for flooring. Can you help Santosh in counting the tiles?

1ˢᵗ Row →
2ⁿᵈ Row →
3ʳᵈ Row →
4ᵗʰ Row →
5ᵗʰ Row →

Answer the following questions based on the above picture-

    (A)   How many tiles are there in each row?

    (B)   How many rows are there?

    (C)   What is the total numbers of tiles?

    (D)   How many blue tiles are there?

    (E)   How many red tiles are there?

Surya went to Village.

Surya went to his grand father's village on bicycle. It took him 1 hour to reach the village. On return, he walked for 3 hours and reached home. What is the total time spent by Surya on travelling?

Distance	Time taken
Home to grand father's village :	
Return to home :	
Total time taken :	

If Surya walks on both sides then how much time will he take?

Shikha goes to her grand mother's village

Shikha has to go to her grand mother's village. Her bus will leave at 9 AM. It will take 3 hours to reach the village. At what time will Shikha reach the village?

When Shikha reached the bus stand, she came to know that her bus had been delayed by 2 hours. Now at what time will she reach the village?

Make more problems in situations which involve time and solve them.

Seema prepares tea

Seema prepares very good tea. She uses 2 spoons of sugar for a cup of tea. Today, four guests have come to her house. She had to prepare tea for her mother, father and the guests.

(A)   How many cups of tea need to be prepared?

(B)   How many spoons of sugar would be needed?

Riya washes clothes

Harish and Kavita filled a tank with water in their house.

Harish brought   [27] litres

Kavita brought   [23] litres

Capacity of the tank   [   ] litres

Riya used water from the tank to wash clothes. There is 37 litres of water remaining in the tank. How much water did she use?
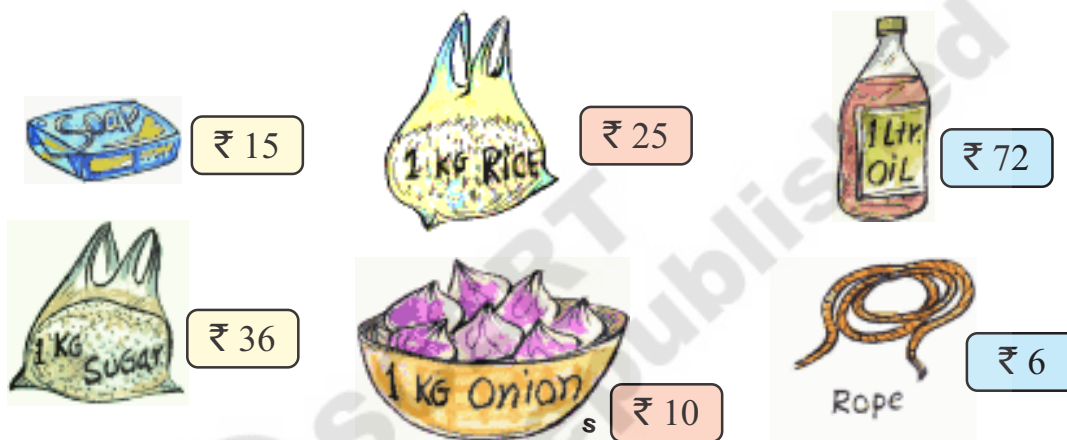
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Milk consumed in the hostel

Students in a hostel consume 24 litres of milk daily. How much milk is consumed in the hostel in a week?

If each student consumes 2 litres of milk in a week, how many students are there in the hostel?

The shopkeepers bill

Sujit went to the market. He bought 6 soaps, 1 kg of sugar, 4 kgs of onions, 10 kgs of rice, 2 litres of groundnut oil and 5 ropes.

₹ 15   ₹ 25   ₹ 72

₹ 36   ₹ 10   ₹ 6

Help the shopkeeper make the bill.

S. No.	Article	Price of Unit Quantity	Quantity	Total Price
1.	Soap			
2.	Sugar			
3.	Onions			
4.	Rice			
5.	Groundnut oil			
6.	Rope			
			Total	

Do This ▶

1. Go to a stationery shop. Ask the price of the following items-

   6 pencils, 3 erasers, 2 sharpeners, 10 notebooks, 5 scales and 4 pens. Prepare a rate chart.

2. Rajni has 12 laddoos with her. She distributed them equally among Richa, Shalini and Preeti. How many laddoos did each one get?

3. There are 12 rows of rose plants in a garden. In each row there are 6 rose plants. How many rose plants are there in the garden?

4. 96 cm of thread is divided into 6 equal parts to make garlands. What will be the length of each garland?

5. Dhoni consumes 3 litres of milk, daily. How much milk will he consume in 30 days?

6. Mahesh earns ₹ 375 daily. He spends ₹ 200 on each day. How much money does he save in a day?

7. Seema studies for 3 hours everyday. How much time will she study in a week?