**BYJU'S FUTURE SCHOOL OF MATH**

Learning Outcome:
Add and subtract decimals using standard algorithms in real-life contexts. Explore relationships between addition and subtraction of decimals. 5.NBT.B.7
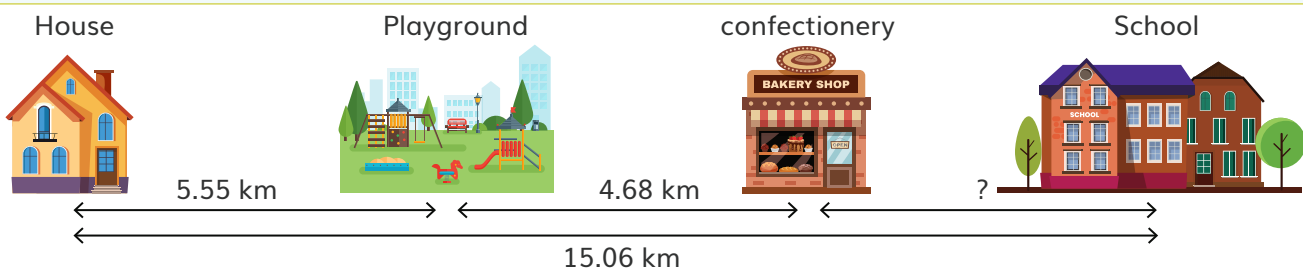
**Foundation**

**1** You have ₹5,321 in the bank as the budget for renovating the sweet tooth. You withdraw ₹1,515 on a particular day and then deposit ₹2,276 in the next week. What is the current amount that you have in the bank?

**2** Sally has 23.82 cm. of edible ribbon to decorate the cake. She used 8.74 cm. of it to make a bow on the cake and 12.32 cm. to wrap the sides of the cake. What length of the ribbon is left? Verify the result.

**3** Using the following diagram, find the distance between the confectionery store and the school. Verify the result.

| House | Playground | confectionery | School |
|---|---|---|---|

5.55 km        4.68 km        ?

15.06 km

**4** Which of the following expressions, on simplification, gives a value greater than 10?

☐ a) 10.9 - 4.5 + 4.8          ☐ b) 10.1 - 4.3 + 2.7

☐ c) 10.9 - 0.9 + 0.09          ☐ d) 10.8 + 3.6 - 5.2

**5** You mix 24.567 g of sugar and 13.874 g of baking soda in a glass container for an experiment. If the total mass is coming out to be 105.3 g on a scale, then what is the mass of the container?

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**Application**

As the desserts are delicious, everyone is liking it. Their demand is increasing, and you must prepare some new recipes!

**1** You have ⬚89.56 to buy three flavors. The cost of strawberry and vanilla flavor is ⬚23.67 and ⬚34.78, respectively. What is the cost of mango flavor?

Cost of mango flavor = ⬚

**2** You have added three ingredients in four different combinations. The total weight of the ingredients should be more than 15 kg. Choose the correct one among the following:

☐ a) 13.51 - 2.33 + 1.42 = ☐ kg     ☐ c) 13.30 + 4.33 - 2.33 = ☐ kg

☐ b) 13.76 - 4.31 + 4.72 = ☐ kg     ☐ d) 13.89 - 6.71 + 7.21 = ☐ kg

**3** You wrote some calculations for a dessert recipe but smudged some digits. Enter the correct digits to complete the recipe.

**4** Input the correct amount of ingredients in decimals to make a mixture of the given final weight.

53 . ☐ 4 - 17 ☐ 8 + 22 . 31 ☐ 8.57

☐ - ☐ + ☐ = 89.71 kg

**5** A certain amount of sugar, 14.556 kg of baking powder, and 12.785 kg of vanilla extract will make a dessert weighing 40.5 kg. Find the weight of required sugar.
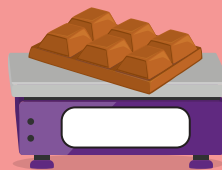
**6** You have three, two, and one bills of ⬚5, ⬚10, and ⬚20, respectively. After buying the given items, how much change will you get?

One box of bean = ⬚13.44
One bottle of vegetable oil = ⬚12.09
One packet of baking powder = ⬚15.98
One bottle of milk = ⬚9.76

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Create

You have created some desserts and prepared the menu. Now, let's update the selling price by applying some tax and discounts.

**1**

| Desserts | New price of one box (🪙) | Tax on new price (🪙) | Discount on new price (🪙) | Final price of one box (🪙) |
|---|---|---|---|---|
| Skittles | 14.45 | 2.34 | 1.23 | 14.45 + 2.34 - 1.23 = 15.56 |
| Twix | 12.67 | 1.32 | 1 | 12.67 + 1.32 - 1 = |
| Wafers | | | | |
| Pops | | | | |
| Bars | | | | |

**2** The total weight of desserts is 9 kg. What is the weight of the bars?

| Desserts | Weight (kg) |
|---|---|
| Skittles | 1.436 |
| Twix | 1.652 |
| Wafers | 1.81 |
| Pops | 2.713 |
| Bars | |

(Use this space for rough work)