

28.11.19
STD-IV

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MATHS- TT

20 MARKS

Answer Key:

I.1. Cost of $\frac{1}{4}$ kg of pumpkin = 6

$$\text{Cost of 1 kg of pumpkin} = 6 \div \frac{1}{4} = 6 \times 4 = \text{₹ } 24$$

2. Cost of 1 kg of tomatoes = ₹ 10

$$\text{Cost of } \frac{1}{2} \text{ kg of tomatoes} = ₹ 10 \times \frac{1}{2} = ₹ 5$$

3. Cost of $\frac{1}{2}$ kg of pumpkin = ₹ 20

$$\text{Cost of 1 kg of pumpkin} = 20 \div \frac{1}{2} = 20 \times 2 = ₹ 40$$

II. Using the Price list:

1. Cost of 1 kg of onion = ₹ 20

$$\text{Cost of } \frac{1}{2} \text{ kg of onion} = 20 \times \frac{1}{2} = ₹ 10$$

$$\text{Cost of 1 kg of carrot} = ₹ 16$$

$$\text{Cost of } \frac{1}{4} \text{ kg of carrot} = 16 \times \frac{1}{4} = ₹ 4$$

₹ 10 > ₹ 4 So $\frac{1}{2}$ kg onions cost more

2. Cost of 1 kg of potato = ₹ 20

$$\text{Cost of } \frac{3}{4} \text{ kg of potato} = 20 \times \frac{3}{4} = ₹ 15$$

$$\text{Cost of 1 kg of pumpkin} = ₹ 4$$

$$\text{Total cost of potatoes and pumpkin} = ₹ 15 + ₹ 4 = ₹ 19$$