

Class-V

Chapter-4

Parts and wholes

Q.1 Draw a rectangle of length 9 cm and width 6 cm . Divide it into three equal parts and complete the flag.



How much of the flag will you colour green?

Ans. $\frac{1}{3}$

Is the white colour now less than $\frac{1}{3}$ of the flag? Why?

Ans. Yes because of Ashoka chakra.

Q.2 The flag of Afganistan



Now look at the flag . How much of it is black?

Ans. $\frac{1}{3}$

The green part of the flag can be written as

Ans. $\frac{1}{3}$

Is the red less than $\frac{1}{3}$ of the flag ? Why?

Ans. Yes , red part is less than $\frac{1}{3}$ of the flag because of white emblem.

Q.3 The flag of Myanmar



Is blue more than $\frac{1}{4}$ of the flag or less?

Ans. The blue is little less than $\frac{1}{4}$ of the flag because of white emblem.

Guess how much of the flag is red. Is it more than $\frac{1}{2}$. Is it more than $\frac{3}{4}$?

Ans. It is more than $\frac{3}{4}$

Q.4 Manju had a chocolate. She gave one fourth of it to raji , one third to sugatha and and one sixth to sheela. She ate the remaining part. How many pieces of chocolate did each get? Write here. What part of the chocolate did Manju get?

Ans. Total pieces = 12

Raji got = $\frac{1}{4} \times 12 = 3$

Sugatha got = $\frac{1}{3} \times 12 = 4$

Sheela got = $\frac{1}{6} \times 12 = 2$

Manju got = total – given = $12 - (3+4+2)$
= $12 - 9 = 3$

Q.5 Ramu's vegetable field

Ramu 's vegetable field has 9 equal parts. What vegetable does he grow?

1. Which vegetable grows in the biggest part of the field? What part?

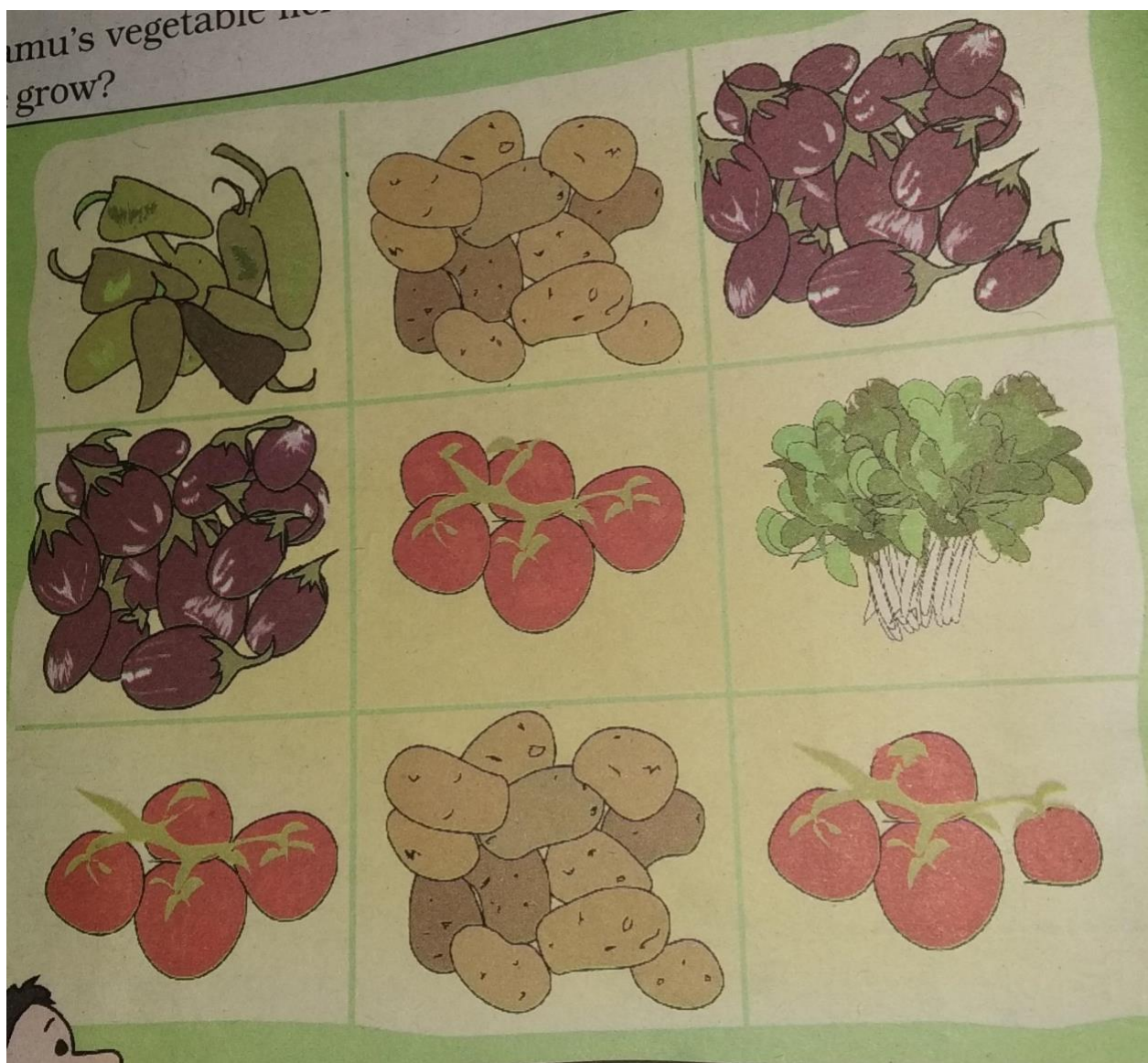
Ans. Tomatoes , $\frac{3}{9}$ part

2. On what part of the field does he grow potatoes?

Ans. $\frac{2}{9}$

3. What part of field is used to grow spinach ? What part is used for Brinjal?

Ans. $\frac{1}{9}$ for spinach and $\frac{2}{9}$ for brinjals.



Q.6 Ramu wanted to give these vegetables to his friends. He gave Abi backer one fifth of these tomatoes and one third of the potatoes. Srija got two fifth of the tomatoes and three sixth of the potatoes. Nancy got the rest of these vegetables.

Ans. Total tomatoes = 20

No of tomatoes Abi backer got = $\frac{1}{5} \times 20 = 4$

No of tomatoes Srija got = $\frac{2}{5} \times 20 = 8$

No of tomatoes Nancy got = total – given = $20 - 12 = 8$

Total potatoes = 18

No of potatoes to aboobacker = $\frac{1}{3} \times 18 = 6$

No of potatoes to Srija = $\frac{3}{6} \times 18 = 9$

No of potatoes Nancy got = total – given = $18 - (6+9) = 18 - 15 = 3$



Q.7 How many 50 paise will make one rupee?

Ans 2 50 paise coins will make one rupee.

How many 25 paise will make one rupee?

Ans. Four 25 paise coins will make one rupee.

25 paise is $\frac{1}{4}$ part of one rupee.

20 paise is $\frac{1}{5}$ part of one rupee.

How many 10 paise will make one rupee?

So 10 paise is $\frac{1}{10}$ part of one rupee.

Q.8 Arun's Time table

Sleeping: One third of a day
Use different colours to show

Playing: One eighth of a day
Studying: $\frac{1}{4}$ of a day

How many hours does Arun take for

Sleeping? hours

Studying? hours

Playing? hours

What part of the day does he use for other activities?

Total hours in a day = 24 hours

Sleeping = $\frac{1}{3} \times 24 = 8$ hours

Studying = $\frac{1}{4} \times 24 = 6$ hours

Playing = $\frac{1}{8} \times 24 = 3$ hours

For other activities = $24 - (8+6+3) = 24 - 17 = 7$ hours.

Q.9 Keerti's shopping list

a. How much does 2 kg of tomato cost ? - Rs24

b. How much does $\frac{1}{2}$ kg of tomato cost? - Rs6

c. Kiran wants $2\frac{1}{2}$ kg of tomato . How much will it cost? - Rs30

d. How much does $3\frac{1}{2}$ kg of potatoes cost? - Rs35

e. What is the price of $1\frac{1}{4}$ kg of carrot?- Rs22.50

f. He bought a gourd of weight $4\frac{3}{4}$ kg and it costs - Rs38

Item	Price in RS (Per KG)
Tomato	12
Potato	10
Onion	16
Carrot	18
Gourd	8

g. Look at the shopping list in Keerti's hand . How much she will have to pay to buy all these ?

Potato – $2\frac{1}{4}$ kg

Carrot – $3\frac{3}{4}$ kg

Gourd- $1\frac{1}{2}$ kg

Item	Price per kg	Total price
Potato $2\frac{1}{4}$ kg	10	$2 \times 10 + \frac{1}{4} \times 10 = 20 + 2.50 = 22.50$
Carrot $3\frac{3}{4}$ kg	18	$3 \times 18 + \frac{1}{4} \times 18 = 54 + 13.50 = 67.50$
Gourd $1\frac{1}{2}$ kg	8	$1 \times 8 + \frac{1}{2} \times 8 = 8 + 4 = 12$
Total		₹ 102

Q.10 Raheem has to travel $1\frac{1}{4}$ km to reach school . What distance does he travel to go to school and come back home.?

Ans. Distance travelled to go to school and come back home = $\frac{5}{4} + \frac{5}{4}$

$$= \frac{10}{4} = 2.5 \text{ km}$$

Q.11 Latha bought a pencil and a pen for seven and half rupee. She gave Rs10 . The shopkeeper gave back the money in half and quarter rupees. What are the coins she got?

Ans.

∴ = ₹ 2.5
∴ So, the shopkeeper can return as ₹ 2.5 in the following ways

- ∴ a) 1 half rupee coin and 8 quarter rupee coins
- ∴ b) 2 half rupee coins and 6 quarter rupee coins
- ∴ c) 3 half rupee coins and 4 quarter rupee coins
- ∴ d) 4 half rupee coins and 2 quarter rupee coins

Q.12 At the railway station.

a. What time is the train expected to come today?

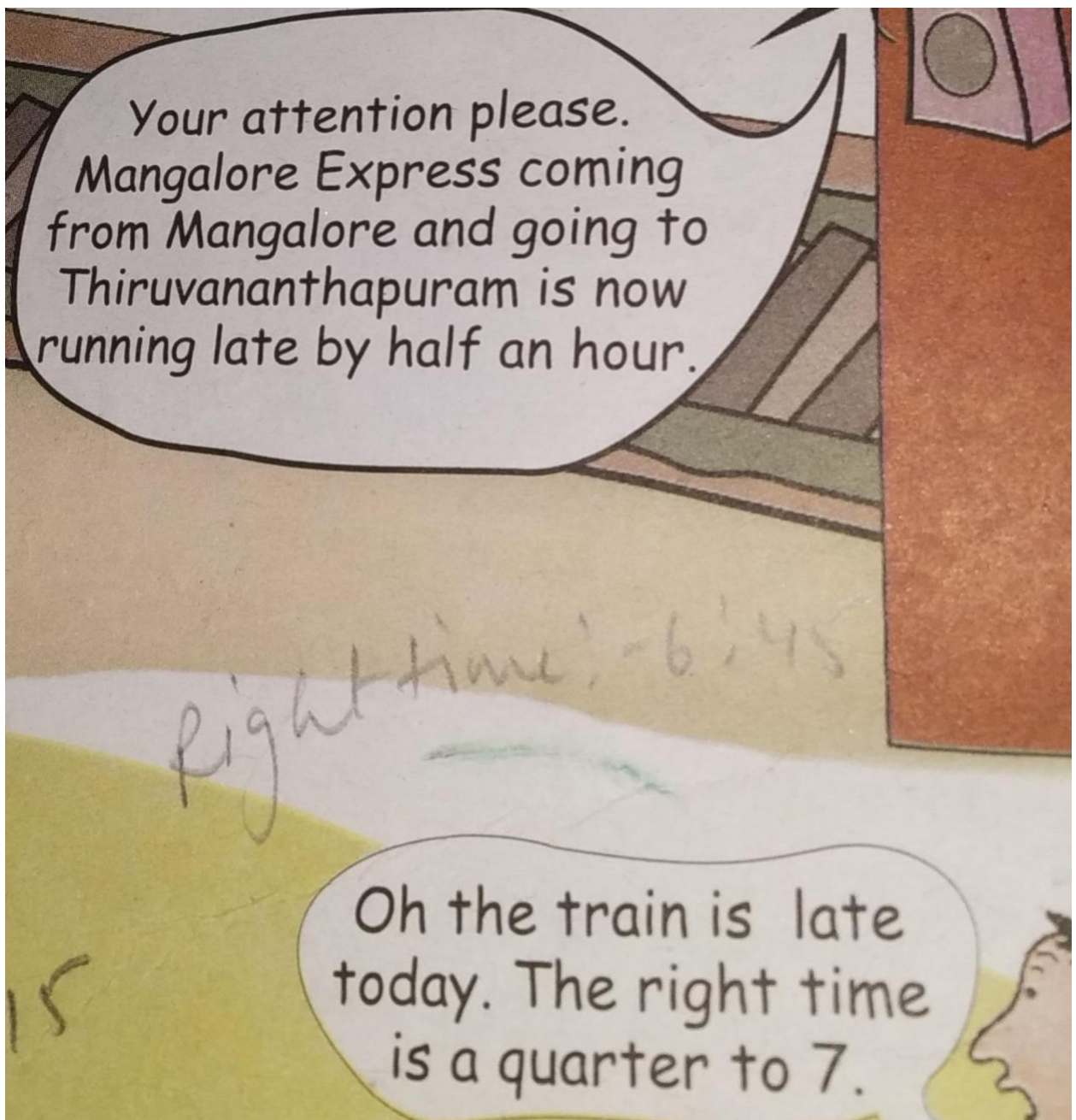
Ans. 7:15

b. Nazia gets off at a station after $2\frac{1}{2}$ hours from this station . What time will she get off?

Ans. 7:15+ 2.30 hours = 9:45

c. Shaji will take 5 hours to reach Ernakulam by this train. At what time will he reach here?

Ans. 7:15 + 5 hours = 12:15



Your attention please.
Mangalore Express coming
from Mangalore and going to
Thiruvananthapuram is now
running late by half an hour.

right time: - 6:45

15

Oh the train is late
today. The right time
is a quarter to 7.