SNBP International & Senior Secondary School, Chikhali, Pune.
Affiliation No. 1130703
Academic session 2024-25
NOTES-14 (TERM-2)
Subject: MATHS

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Preactivity :-Lets begin from T.B. Page no.168

Let's Begin

Udit, look! I have listed a few items that we will need to buy for our project. I think we need more than ₹50.

Item	Quantity	Amount
Map of India	2	₹3.00
Coloured-pencil box	1	₹15.00
Stickers	1 sheet	₹5.00
Sketch pens	1 pack	₹25.00
Pencil	1	₹5.00
Pen	2	₹14.00

Alia, I think you will have to spend around ₹80.

Use the given information to answer the following questions.

a) Who is correct?   Udit [ ]   Alia [✓]   both [ ]

b) Calculate the exact amount they need to buy all the items. [67]

c) Share the strategy you used to calculate the total amount. Show it on the number line.

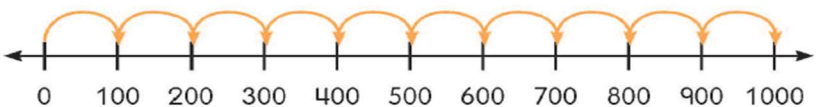Express 4399 paise as rupees and paise.

4399 paise =   4399 p → 4300 p / 99 p → 4399 p → ₹ 43 / 99 p = 43 rupees / 99 paise

4399 p = ₹ [43.99]

We can also express rupees and paise in paise. Let's do it for ₹10.
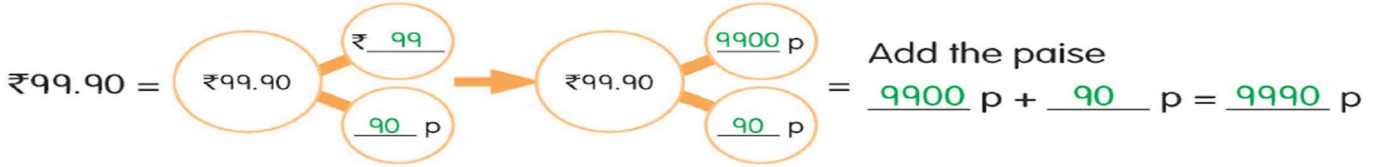
₹1 = 100 p
₹10 = 10 group of 100 paise
₹10 = 1000 p

0   100   200   300   400   500   600   700   800   900   1000

Express the following in paise.

- ₹2 = __200__ p
- ₹20 = __2000__ p
- ₹15 = __1500__ p
- ₹34 = __3400__ p

Express ₹99.90 as paise

₹99.90 = (₹99.90) → ₹ __99__ / __90__ p ⟶ (₹99.90) → __9900__ p / __90__ p   Add the paise = __9900__ p + __90__ p = __9990__ p

So, ₹99.90 = __9990__ p

TEXTBOOK PAGE NO.171

Concrete Stage

Ask your parents to show you real money. Observe them and tick (✓) the denominations that are available in both coins and notes.

- a) ₹1 [ ]
- b) ₹5 [ ]
- c) ₹10 [ ]
- d) ₹20 [ ]
- e) ₹50 [ ]
- f) ₹100 [ ]
- g) 25 paise [ ]
- h) 50 paise [ ]
- i) ₹200 [ ]
- j) ₹500 [ ]
- k) ₹2000 [ ]
- l) ₹2 [ ]

Answer: Answer may vary.

Pictorial Stage

1. Write the given amounts into rupees and paise separately in the circles. One has been done for you.

a) (₹4.25) → ₹4 / 25 p

b) (₹9.15) → ₹9 / 15 p

c) (₹10.05) → ₹10 / 5 p

d) (₹100.00) → ₹100 / ( )

2. How many rupees and paise are there in each?

a) (1590 p) → ₹15 / 90 p

b) (6225 p) → ₹62 / 25 p

c) (10000 p) → ₹100 / ( )

d) (120000 p) → ₹1200 / ( )

Abstract Stage

1 Convert the following amounts into paise.

a. ₹11 = ____1100____ paise

b. ₹82.55 = ____8,255____ paise

c. ₹8.75 = ____875____ paise

d. ₹15 = ____1500____ paise

2 Convert the following amounts into rupees.

a. 3220 p = ₹____32.2____

b. 5430 p = ₹____54.3____

c. 2449 p = ₹____24.49____

d. 18090 p = ₹____180.9____

Worksheet

I spent ₹100.50 for buying a notebook and ₹340.50 for the pens. Let us calculate the total amount spent.

Step 1: Write the amounts (rupees and paise under their respective header).

Rupees			Paise	
1	0	0 .	5	0
+ 3	4	9 .	5	0

Step 2: Add the paise starting from the right.

Rupees			Paise	
			1	
1	0	5 .	5	0
+ 3	4	0 .	5	0
4	4	1 .	0	0

Step 3: Add the rupees starting from right. Place the point correctly to separate rupees and paise.

Rupees			Paise	
1	0	0 .	5	0
+ 3	4	0 .	5	0
4	4	1 .	0	0

The total amount spent is ₹ ____441.00____.

Hintometer:
Regroup 100 paise as ₹ 1.

TEXTBOOK PAGE NO.175

Concrete Stage

Get some coins of different values and play the game with you partner.

Start	₹5	[coin ₹20]	ten rupees	₹5	₹2	Go back 5 spaces!
₹10						₹10
one rupee						[coin ₹5]
miss a turn						[coin ₹1]
₹20	[coin ₹2]	go forward 3 space	[coin ₹10]	twenty rupees	two rupees	₹5

The Coin Collector

You will need:
- A counter for each player
- ₹1, ₹2, ₹5, ₹10, and ₹20 coins
- A dice

Instructions
- Begin on 'Start' and take turns to roll the dice, then move that numebr of spaces.
- Say and collect the coin for the space you land on.
- Miss a turn if you take a wrong coin.
- The winner is the first player to collect a set of all five coins and put them in order of value from least to most.

Answer: Answer may vary.

Pictorial Stage

Observe the picture and fill in the blanks with appropriate symbols (+ or –).
One has been done for you.

a) ₹10 + 1 + ₹50 + 25 + 25 + 25 = ₹50 + ₹10 + 25 + 25 + 25

b) ₹200 + ₹200 + ₹10 + 1 + 25 + 25 = ₹200 + ₹200 + ₹10 + 1 + 1

c) ₹500 − ₹200 = ₹200 + ₹50 + ₹50

d) ₹100 − ₹50 + ₹10 + 1 + 1 = ₹20 + ₹10 + ₹5 + 1

Abstract Stage

1 Tick (✓) the correct combination of notes to make the given amounts.

a) ₹50   ₹20 ✓   ₹20 ✓   ₹10 ✓   [ ]

b) ₹170   ₹100 ✓   ₹20 ✓   ₹50 ✓   ₹50 [ ]

2 Calculate and write the total amounts represented by the notes and the coins for the following.

a) ₹200   ₹10   1 .... ₹211

b) ₹50   ₹20   ₹10   1 + coin .... ₹81.50

c) ₹100   ₹50   ₹10   ₹5 .... ₹165

d) ₹500   1 .... ₹501

3 **Answer the following questions.**

a Annie spent ₹23.25 on a book and ₹45.75 on a bag. How much money did Annie spend altogether? Answer: ₹69

b Salim bought a pencil for ₹7.25. He also bought a pen for ₹2.25 more than the pencil. How much did the pen cost? Answer: ₹16.75

c Ankit spent ₹21.25 on a marker. He spent ₹46.50 on a pack of sketch pens. How much more did the pack of sketch pens cost than the marker? Answer: ₹25.25

d Julie has ₹52.80 and her brother has ₹8.50 less than her. How much money did Julie's brother have? Answer: ₹44.30

Linking Chain 🔗 EVS

Study the table that shows us the flight ticket charges from Chennai to different destinations. Answer the following questions based on the table.

S. No.	Destination	Flight charges (₹)
1	Bangalore	1500
2	Mumbai	5600
3	Delhi	7600
4	Goa	4800
5	Kochi	4300
6	Kolkata	5000

a The airfare from Chennai to Goa is ₹500 more than the airfare from Chennai to ___Kochi___.

b The airfare from Chennai to Delhi is ₹___2000___ more than the airfare from Chennai to Mumbai.

c Manisha wants to travel to Kolkata from Chennai. She needs ₹500 more to buy the ticket. How much money does Manisha have? ₹___4500___.

d Pawan bought a flight ticket. He paid the cashier ₹5000 and got ₹200 back. He bought the ticket to ___Goa___ from Chennai.

Blooming Questions 🤔

1 Write the following in rupees.

a ₹20

b ₹165.75 p

2 **Express the value of the given amounts in words.**

a ₹87.25 _____Eighty seven rupees & twenty five paise_____

b ₹43.10 _____Forty three rupees and ten paise_____

c ₹90 _____Ninety rupees_____

3 Write the following in digits, using the rupee symbol.

a Sixty-five rupees and eighty paise — ₹65.80 p

b One hundred and five rupees — ₹105

c One thousand rupees and seventy-five paise — ₹1000.75 p

4 Jasmine bought a toy fish for ₹32 and a toy car for ₹21.

a How much money did she pay to the shopkeeper? — ₹53

b Which toy costs more and by how much? — Fish, ₹11

5 Ram has 4 notes of ₹100, 1 coin of ₹5, and 5 coins of 25p. How much money does he have in total? — ₹406.25 p

Mental Maths

Look at the pictures and answer the following questions.

| ₹540 | ₹35 | ₹150.50 | ₹50 | ₹250.15 |

Work out and write the money you will pay to buy the following items.

a 1 pack of bread and a can ____₹85____.

b 1 sack of rice and 1 pack of rajma beans ____₹790.15 p____.

c 1 pack of corn flakes and 1 sack of rice ____₹690.50 p____.

d The cost of 1 sack of rice is ____₹505____ more than the cost of 1 pack of bread.

e The cost of 1 pack of corn flakes is ____₹99.65 p____ less than the cost of a pack of rajma beans.

POST ACTIVITY: - 1) Express the value of the given amounts in words

A) ₹ 47.35 = _____
B) ₹ 95 .13 = _____
C) ₹ 32.78 = _____

Subject Teacher   HOD   COORDINATOR   PRINCIPAL