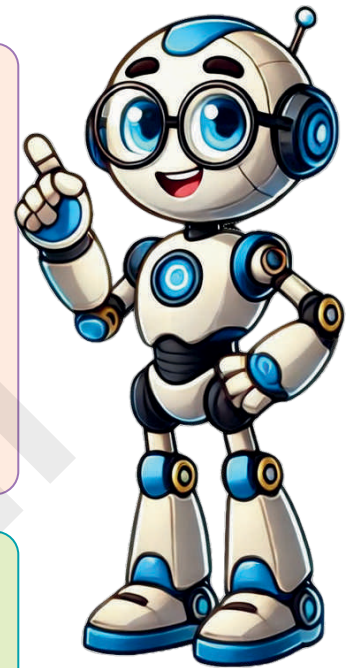


We'll cover the following key points:

- Indian Currency
- Conversion of Rupees into paise
- Conversion of Paise into Rupees
- Addition of Rupees and Paise
- Subtraction of Rupees and Paise
- Multiplication of Rupees and Paise
- Division of Rupees and paise



Hi, I'm EeeBee

Do you Remember fundamental concept in previous class.**In class 2nd we learnt**

- | | |
|-------------------------|------------------------|
| → Introduction of Money | → Addition of Money |
| → Conversion of Money | → Subtraction of money |

In class 1st we learnt

- Our Currency



Still curious?
Talk to me by
scanning
the QR code.

Learning Outcomes**By the end of this chapter, students will be able to:**

- Identify Indian currency notes and coins and their denominations.
- Count and write amounts of money using appropriate symbols (₹ and paise).
- Add and subtract amounts of money in practical situations.
- Solve simple word problems involving money, including buying and selling.
- Understand the concept of change and calculate it in real-life scenarios.
- Compare different amounts of money to identify which is greater or smaller.
- Use money to understand the concept of budgeting and saving.
- Relate the use of money to daily life activities such as shopping and paying bills.
- Develop problem-solving skills through activities involving money.
- Demonstrate an understanding of how money is used in transactions.



Warm Up

Conceptual Learning

Aaro and Deepa went to a restaurant for tiffin. After finishing their tiffin each received a bill of the food they had ordered. Can you find the total sum that each one paid?



Aaro's bill :	Peppy paneer	₹ 140
	Cold drink	₹ 60
	Ginger bread	₹ 50
	Total	₹

Deepa's bill :	Pizza	₹ 150
	Cold drink	₹ 50
	Spring roll	₹ 60
	Total	₹

Indian Currency

To buy anything, we need money. Money is measured in **Rupee** and **paise**. So, rupees and paise are called **Indian currency**. Currency notes for one rupee, two rupees, five rupees, ten rupees, twenty rupees, fifty rupees, hundred rupees, two hundred rupees, five hundred rupees, and two thousands are prevailing in Indian market. There are also coins of 1 rupee, 2 rupees, 5 rupees 10 rupees and 20 rupees which are in trend in Indian currency market now-a-days.

Our Currency Coins



₹1



₹2



₹5



₹10



₹20

Our Currency Notes



₹ 1



₹ 2



₹ 5



₹ 10



₹ 20



₹ 50



₹ 100



₹ 200



₹ 500



₹ 2000

For Example : If one has 10-rupee note and a 75 paise coin, then this amount of money can be expressed as under:

Rupees ten and paise seventy five
or
Ten rupees and seventy five paise

In order to express this amount, we generally write rupees as ₹ and paise as p; *i.e.* 10 rupees = ₹ 10 and seventy five paise = 75p.

To express this amount in figure or in symbolic form, we use ₹ for rupees and small dot or point (called decimal) for paise.

Therefore, rupees ten and paise seventy five is expressed as ₹ 10.75.

If the paise is in digit like paisa 1, paise 2, paise 3, paise 9, then put a zero before the given paisa to make it digit and write ₹ 0.01, ₹ 0.02, ₹ 0.03, ₹ 0.09.

While writing the amount of money in words, we write 'and' between rupees and paise.

Some amounts of money are expressed below in words and in figures.

S.No.	Amount	Amount in words	Amount in figures
1.	12 rupees 25 paise	rupees twelve and paise twenty five	₹ 12.25
2.	1 paisa	one paise	₹ 0.01
3.	75 rupees	Rupees seventy five	₹ 75.00
4.	20 rupees 50 paise	Rupees twenty and fifty paise	₹ 20.50

Example 1 : Express the following amounts of money in words.

- a. 72 rupees 35 paise b. 25 rupees 5 paise
- c. 35 rupees 75 paise d. 65 rupees 30 paise

Solution :

- a. Rupees seventy two and paise thirty five
- b. Rupees twenty five and paise five
- c. Rupees thirty five and paise seventy five
- d. Rupees sixty five and paise thirty

Example 2 : Express the following amounts of money in figures:

- a. 253 rupees and 5 paise b. 36 rupees 75 paise
c. 23 rupees and 5 paise d. 5 paise

Solution : a. ₹ 253.05 b. ₹ 36.75
c. ₹ 23.05 d. ₹ 0.05

Conversion of Rupees into paise

Always remember 1 rupee = 100 paise

If you want to convert rupees into paise, then multiply the amount in rupees by 100 and add to it the number of given paise.

Example 3 : Convert 64 rupees 75 paise into paise.

Solution : 64 rupees 75 paise = 64×100 paise + 75 paise
= 6400 paise + 75 paise
= 6475 paise

Example 4 : Convert ₹ 25.75 into paise.

Solution : We know, 1 rupee = 100 paise

Therefore, ₹ 25.75 = 25 rupees + 75 paise

= 25×100 paise + 75 paise

= 2500 paise + 75 paise

= 2575 paise

REMEMBER

In conversion of rupees and paise into paise, we simply remove the point (.)

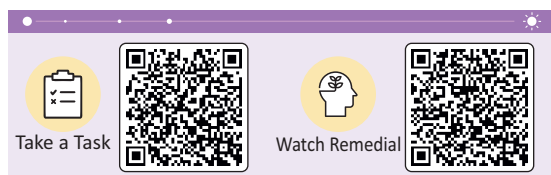
for example : ₹ 35.75 = 3575p

Conversion of Paise into Rupees

If you want to convert paise into rupees and paise, put a dot. or point after two digits from the right of the given number of paise and write '₹' instead of p.

or

To convert paise into rupees divide it by 100 and place the dot (.) or point after two digits from the right and get rupees and paise.



For Example : 4525 paise = ₹ 45.25 = 45 rupees 25 paise

or

$$4525 \text{ paise} = 4525 \div 100 = ₹ 45.25 = 45 \text{ rupees } 25 \text{ paise}$$

Example 5 : Convert each of the following rupees and paise:

a. 2130 paise

b. 6575 paise

c. 1245 paise

Solution : a. 2130 paise = ₹21.30 = 21 rupee 30 paise

b. 6575 paise = ₹65.75 = 65 rupees 75 paise

c. 1245 paise = ₹12.45 = 12 rupees 45 paise

Example 6 : Convert 46 paise into rupee.

: Since $46 < 100$, i.e. 46 paise.

It can not be divided by 100.

Therefore, quotient is 0 and remainder is 46 paise.

i.e. 46 paise = 0 rupee and forty six paise
= ₹ 0.46.

$$\begin{array}{r} 0 \rightarrow \text{remainder} \\ 100 \overline{) 46} \\ - 00 \\ \hline 46 \rightarrow \text{remainder} \end{array}$$

Example 7 : Convert 640 paise, 7050 paise, 1125 paise and 5 paise into rupees.

Solution : 640 paise = 600 paise + 40 Paise = ₹ 6 + 40 paise = ₹ 6.40

7050 paise = 7000 paise + 50 paise = ₹ 70.50

1125 paise = ₹ 11.25

5 paise = ₹ 0.05



Exercise 11.1

Knowledge Application

1. Express the following amounts of money in figures:

(a) 35 rupees 25 paise

(b) 26 rupees

(c) 72 rupees 75 paise

(d) 9 rupees 5 paise

(e) 18 rupees 10 paise

2. Write the following amounts in words:

(a) ₹ 0.08

(b) ₹ 0.25

(c) ₹ 35.03

(d) ₹ 88.09

3. Convert each of the following into paise:

(a) ₹ 8.25 =

(b) ₹ 30.35 =

(c) ₹ 68.75 =

(d) ₹ 145.18 =

4. Convert the following paise into rupees:

(a) paise 635 =

(b) paise 729 =

(c) paise 1023 =

(d) paise 1235 =

Addition of Rupees and Paise

Addition by converting rupees into paise

- Convert the amounts into paise.
- Add in paise.
- Convert back the amounts into rupees and paise.

Example 8 : Add ₹ 34.24 and ₹ 12.15.

Solution : ₹ 34.24 = 34 rupees + 24 paise = $34 \times 100 + 24 = 3424$ paise

₹ 12.15 = 12 rupees + 15 paise = $12 \times 100 + 15 = 1215$ paise

Then,

$$\begin{array}{r} 3424 \\ + 1215 \\ \hline 4639 \end{array}$$

Therefore, the sum = $(3424 + 1215)p = 4639 p = ₹ 46.39$.

Addition of rupees without converting into paise

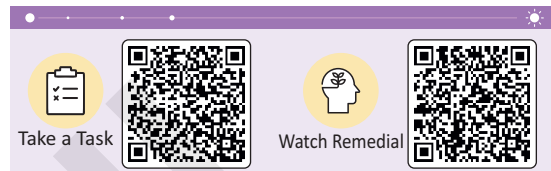
- Arrange the given amounts in column so that dot or point come in the same column.
- Add the amounts like addition of numbers.
- Put the dot or point in the sum under the dot's column.

Example 9 : Add ₹ 42.63 and ₹ 36.22.

Solution :

$$\begin{array}{r} ₹ 42.63 \\ + ₹ 36.22 \\ \hline ₹ 78.85 \end{array}$$

Therefore, sum = $(₹ 42.63 + ₹ 36.22) = ₹ 78.85$.



REMEMBER

The currency of UK is Pound. The currency of America is Dollar.



Exercise 11.2

Knowledge Application

1. Add after conversion into paise:

(a) ₹ 38.60 and ₹ 25.30

(b) ₹ 5.07 and ₹ 12.00

(c) ₹ 26.07 and ₹ 29.80

(d) ₹ 80.09 and ₹ 57.00

2. Add the following:

(a) 45 rupees 6 paise and 69 rupees 75 paise

(b) 27 rupees 38 paise and 59 rupees 8 paise

(c) 35 rupees 34 paise, 25 rupees 60 paise and 45 rupees 35 paise

(d) 48 rupees 65 paise, 76 rupees 6 paise and 47 rupees 75 paise

3. Virendra bought books for ₹ 325.25 and notebooks for ₹ 165.75. How much did he spend in all?

4. Ajay bought fruits for ₹ 125.35 and vegetables for ₹ 45.25. How much did he spend in all?

5. Manik purchased a pair of shoes for ₹ 289.78, a shirt for ₹ 323.17 and trouser for ₹ 615.63. How much did he spend in all?

Subtraction of Rupees and Paise

Subtraction by converting rupees into paise

a. After converting into paise write the greater amount first.

b. Find the difference between the two amounts.

c. Convert back the difference into rupees and paise again.

Example 10: Subtract ₹ 58.15 from ₹ 86.26.

Solution : ₹ 86.26 = 8600 paise + 26 paise = 8626 paise

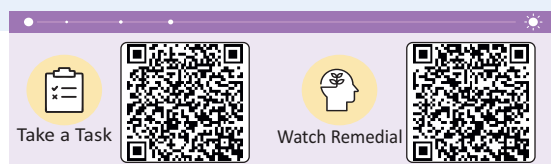
₹ 58.15 = 5800 paise + 15 paise = 5815 paise

Therefore, difference = (8626 – 5815) p

= 2811 p

= ₹ 28.11

$$\begin{array}{r}
 \overset{(7)}{8} \overset{(16)}{6} 2 6 \text{ p} \\
 - 5 8 1 5 \text{ p} \\
 \hline
 2 8 1 1 \text{ p}
 \end{array}$$





Exercise 11.3

Knowledge Application

1. Subtract the following after converting into paise:

(a) ₹ 7.35 from ₹ 205.25

(b) ₹ 82.16 from ₹ 150.75

(c) ₹ 9.25 from ₹ 15.00

(d) ₹ 0.25 from ₹ 1.00

2. Subtract the following without converting into paise:

(a) ₹ 323.40 – ₹ 49.85

(b) ₹ 76.42 – ₹ 38.48

(c) ₹ 916.84 – ₹ 289.98

(d) ₹ 58.80 – ₹ 9.76

3. Ramesh has ₹ 520.00 as pocket money. He gave ₹ 75.75 to his sister. How much money he has in his pocket now?

4. The price of a book is ₹ 125.08 and shahid has ₹ 56.55. How much money does shahid need more to buy the book?

5. Mohit has to pay ₹ 136.00 for his school fees. He has ₹ 56.55. How much money does he need more?

Multiplication of Rupees and Paise

Multiplication of money is done in the same way as we multiply numbers. But always remember that the point (or dot) is put at two places from the right of the product.

Example 11: Multiply ₹ 66.17 by 5.

Solution

:

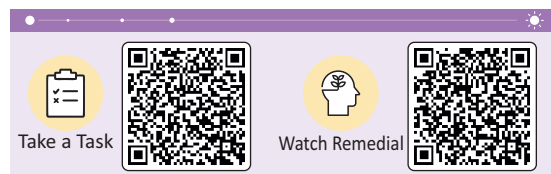
3 3

₹ 66.17

× 5

₹ 330.85

Thus, ₹ 66.17 × 5 = ₹ 330.85



Example 12: The price of a pencil is 65 paise.

What is the cost of 8 such pencils?

Solution:

Cost of 1 pencil = 65 paise = ₹ 0.65

0.65

Cost of 8 pencils = ₹ 0.65 × 8 = ₹ 5.20

× 8

Hence, the cost of 8 pencils is ₹ 5.20

5.20



Exercise 11.4

Knowledge Application

1. Multiply the following rupees and paise by the given number:

$$\begin{array}{r} \text{a} \quad ₹ 8.30 \\ \times ₹ 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b} \quad ₹ 35 \\ \times ₹ 36 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c} \quad ₹ 74.48 \\ \times ₹ 7.25 \\ \hline \end{array}$$

2. Multiply the following:

$$\text{(a)} \quad ₹ 35 \times 4 = ₹ \quad \boxed{}$$

$$\text{(b)} \quad ₹ 95 \times 6 = ₹ \quad \boxed{}$$

$$\text{(c)} \quad ₹ 128 \times 10 = ₹ \quad \boxed{}$$

$$\text{(d)} \quad ₹ 135 \times 6 = ₹ \quad \boxed{}$$

3. If the price of 1 doll is ₹ 45, then find the price of 4 dolls.

4. The cost of a packet of toffees is ₹ 38. Find the cost of 9 such packets of toffees.

5. The price of a comic book is ₹ 100.50. Find the price of 10 such comic books.

Division of Rupees and paise

Division of money is done in the same way as we divide numbers. But always remember that the point or dot is put at two places from the right of the quotient.

Example 13 : Divide 84 paise by 4.

Solution : Therefore, $84 \text{ paise} \div 4 = 21 \text{ paise}$.

$$\begin{array}{r} 21 \\ 4 \overline{)84} \\ \underline{-8} \downarrow \\ 4 \\ \underline{-4} \\ 0 \end{array}$$



Exercise 11.5

Knowledge Application

1. Divide the following rupees and paise by given number:

$$\text{a. } 6 \overline{) ₹ 8.40}$$

$$\text{b. } 9 \overline{) ₹ 81.90}$$

$$\text{c. } 8 \overline{) ₹ 66.56}$$

$$\text{d. } 5 \overline{) ₹ 84.35}$$

2. Divide the following:

(a) $64 \text{ paise} \div 4 = \boxed{}$ paise

(b) $78 \text{ paise} \div 2 = \boxed{}$ paise

(c) $\text{₹ } 96 \div 6 = \text{₹ } \boxed{}$

(d) $\text{₹ } 196 \div 4 = \text{₹ } \boxed{}$

3. If ₹ 95.00 is equally distributed among 5 boys, then how much did each boy get ?

4. A set of 4 glasses cost ₹ 73.20 . Find the cost of each glass.

5. If 5 chocolate bars cost ₹ 59.75, then find the cost of one chocolate bar.

Word Problems

Example 14: Sushmita goes to the market with his brother Gautam. Sushmita brought a pair of shoes for ₹ 475 and her brother bought a shirt of ₹ 350 . How much did they spend ?

Solution : Sushmita spend = ₹ 475
Gautam spend = + ₹ 350
₹ 825

They spend altogether = ₹ 825

Example 15: Akash is a shopkeeper who sells 7 flowers of ₹ 350. But customer gives him ₹ 320 . How much amount should the customer give more to shopkeeper ?

Solution : The cost of 7 flowers is = ₹ 350
Customer gives the amount = - ₹ 320
₹ 30

The customer should give ₹30 more to the shopkeeper.



Exercise 11.6

Knowledge Application

Answer the following questions:

1. Julia bought 5 pens for ₹ 25.00, book for ₹ 45.00 and shirt for ₹ 100. Prepare a short bill and fill how much did she spend ?
2. Supriya goes to market with ₹ 150. She buys ghee worth ₹ 86.00. How much money is left with her?
3. The cost of one packet of rice is ₹ 65. Find the cost of 7 packets of rice.

4. If the price of 8 pairs of shoes are ₹ 1644. What is the cost of one pair of shoes?
5. Tapan has ₹ 60.50. Rajan has 6 times as much money as Tapan. How much money does Rajan have ?



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1. Tick (✓) the correct answer:

(a) ₹23 convert into paise _____.

(i) 230 paise

☐

(ii) 2300 paise

☐

(iii) 23 paise

☐

(b) ₹43.50 + ₹96.50 = ₹ _____.

(i) ₹150

☐

(ii) ₹160

☐

(iii) ₹140

☐

(c) ₹275.25 + ₹85.50 = ₹ _____.

(i) ₹189.75

☐

(ii) ₹188.75

☐

(iii) ₹360.75

☐

2. Write the following amounts in figures:

(a) 20 rupees 25 paise = _____.

(b) 71 rupees 75 paise = _____.

(c) 102 rupees 50 paise = _____.

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Puzzle



Conceptual Learning

A lady buys goods worth ₹200 from a shop. (Shopkeeper is selling the goods with zero profit). The lady gives him ₹1000 note. The shopkeeper gets the change from the next shop and keeps ₹200 for him self and returns ₹800 to the lady. Later the shopkeeper of the next shop comes with ₹1000 note saying "duplicate" and takes his money back. How much loss did the shopkeeper face? _____.