

Chapter 7 (Solution)



How man paise coi

How many sets of 30 p can you make using both ten-paise and fivepaise coins ?

We have to use both ten-paise and five-paise coins. So we cannot use all ten-paise coins to make the set. We also cannot use all five-paise coins to make the set.

Now make a guess or use trial and error method by drawing diagrams. Let's begin with 1 ten-paise coin, and then 2 ten-paise coins, and so on.



I have 3 coins.

Their total value is ₹ 15

One is a five rupee coin.

The other two coins are:

- (i) _____ paise coin,
- (ii) _____- paise coin

65 = 50 + 10 + 5

The other two coins are:

- (i) ten-paise coin,
- (ii) five-paise coin,(No other combination is possible)





- What did she buy ?(b) Varun bought a comb. He gave the shopkeeper Rs. 1 note.
 - How much change did he receive ?
 - (a) Since the total amount is 60 p, we can easily guess that the item is the sweet

Let us check : 20 p + 20 p + 20 p = 60 p

Hence, Rita bought 3 sweets

The comb cost 60 p

100 p - 60 p = 40 p

Varun received 40 p change







Riya exchanged a fifty-paise coin for ten-paise and twenty-paise coins.

- She got more ten-paise coins than twenty-paise coins.
 - (a) She got _____ twenty-paise coin(s)
 - (b) She got _____ ten-paise coin(s)
 - (c) She got _____ more ten-paise coins than twenty-paise coins.
 - (d) She got total of _____ coins.

Try to make sets of different combinations.



A is not the right combination as there are more twenty-paise coins than ten-paise coins.

C is also not the right combination as thee are only ten-paise coins. B is the right combination as there are more ten-paise coins than twenty-paise coins.

- (a) She got 1 twenty-paise coin.
- (b) She got 3 ten-paise coins.
- (c) 3 1 = 2

She got 2 more ten-paise coins than twenty-paise coins.

(d) She got a total of 4 coins.





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Ten one rupee coins have been arranged in a triangle with 4 coins in the 1st row, 3 coins in the 2nd row, 2 coins in the 3rd row and 1 coin in the 4th row.



'Reverse' the triangle by changing the positions of 3 coins only.

You must now have 1 coin in the 1st row, 2 coins in the 2nd row, and so on.



