Chapter 10: Fun at the Fair

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Exercise 10.1 — Let us Do — How Much Did Rupal Spend?

Q1 Rupal's mother gave her 50. She spent money on rides. The picture shows the cost of each ride. Fill in: Total money spent on rides = ___. Money left with Rupal = 50 – money spent = ___.

SOLUTION

The figure shows 3 rides with currency: Merry-go-round = 10 note, Toy train = 20 note, Giant wheel = 2 × 5 coins = 10. Total money spent on rides = 10 + 20 + 10 = 40.
Money left with Rupal = 50 − 40 = 10.

Q2 A friend of Rupal has 8 left out of 50. How much money did she spend?

SOLUTION

Money spent = 50 – 8 = 42.
We can also count up: 8 + 20 = 28, 28 + 20 = 48, 48 + 2 = 50. So she spent 20 + 20 + 2 = 42.

Q3 If you had 3 left when your father gave you 40 for the fair, how many rupees did you spend?

SOLUTION

Money spent = 40 – 3 = 37.

Exercise 10.2 — Let us Do — Rides and Tickets

Q1 How much money will be needed to buy tickets for the rides shown? The table shows: number of tickets needed and the price per ticket. Fill in the money column for each ride.

SOLUTION

From the figure — each ride shows its ticket price: Toy train costs 20 per ticket, 2 tickets → 20 × 2 = 40. Merry-go-round costs 10 per ticket, 30 ÷ 10 = 3 tickets needed. Giant wheel costs 15 per ticket, 2 tickets → 15 × 2 = 30. Table filled: Toy train: 2 tickets, 40; Merry-go-round: 3 tickets, 30; Giant wheel: 2 tickets, 30.

Exercise 10.3 — Let us Do — Indian Currency Notes and Coins

Q1 Count the number of times '500' is written on a 500 note. (i) Five hundred rupees is written in words _____ times. (ii) 500 is written in number _____ times.

SOLUTION

From the 500 note picture shown in the textbook: (i) 'Five Hundred Rupees' / 'पाँच सौ रुपये' is written in words 2 times (once in Hindi on the front, once in English on the back). (ii) '500' is written as a numeral 4 times (two on the front, two on the back corners).

Q2 The picture of which monument is printed on the 500 note? Have you seen this monument?

SOLUTION

The Red Fort (Lal Qila) in Delhi is printed on the 500 note.

Share whether you have seen this monument — either in person or in pictures.

Q3 How many 25 paise coins will make 1? Draw the coins in the box.

SOLUTION

100 paise = 1.

Number of 25 paise coins needed = 100 ÷ 25 = 4.

Draw 4 coins of 25 paise.

Q4 How many 20 paise coins will make 1?

SOLUTION

100 paise = 1.

Number of 20 paise coins needed = 100 ÷ 20 = 5.

Exercise 10.4 — Pop the Balloon

Q1 A. Matru gets 3 chances for 10. The balloons have different prize amounts printed on them. How much money will Matru get if he popped the balloons shown?

SOLUTION

Prize chart (from board): Pink=1, Red=2, Blue=5, Yellow=10, Green=20. Row 1 (1 red + 1 pink): 2 + 1 = 3 (given). Row 2 (2 red + 1 green): 2 + 2 + 20 = 24. Row 3 (1 blue + 1 green + 1 pink): 5 + 20 + 1 = 26. Row 4 (1 green + 1 yellow): 20 + 10 = 30.

Q2 B. Draw and colour the balloons which Matru has to pop to get: (i) 17 (ii) 22 (iii) 31.

SOLUTION

Prize chart: Pink=1, Red=2, Blue=5, Yellow=10, Green=20. Activity — draw and colour balloons whose values add to the target (3 chances each): (i) 17: Yellow (10) + Blue (5) + Red (2) = 17 ✓. Draw 1 yellow + 1 blue + 1 red. (ii) 22: Green (20) + Red (2) = 22 ✓. Draw 1 green + 1 red. (iii) 31: Green (20) + Yellow (10) + Pink (1) = 31 ✓. Draw 1 green + 1 yellow + 1 pink.

Q3 C. Which three differently coloured balloons would you target to make the highest amount of money? Draw and colour them. What is the total amount won?

SOLUTION

Balloon prizes: Pink=1, Red=2, Blue=5, Yellow=10, Green=20. To make the highest amount with 3 differently coloured balloons, pick the 3 highest values: Green (20) + Yellow (10) + Blue (5) = 35. Draw and colour 1 green + 1 yellow + 1 blue balloon. Total amount won = 35.

Q4 D. If Matru had four chances, by popping which differently coloured balloons can he make the most money? Draw and colour them. What is the total amount won?

SOLUTION

Balloon prizes: Pink=1, Red=2, Blue=5, Yellow=10, Green=20. To make the highest amount with 4 differently coloured balloons, pick the 4 highest values: Green (20) + Yellow (10) + Blue (5) + Red (2) = 37. Draw and colour 1 green + 1 yellow + 1 blue + 1 red balloon. Total amount won = 37.

Exercise 10.5 — Let us Do — Making Amounts with Notes and Coins

Q1 The table shows different denominations (1, 2, 5, 10, 20, 50). An example shows one way to make 66. Make different combinations of notes and coins to make 54.

SOLUTION

Use any combination of 1, 2, 5, 10, 20, 50 coins/notes that adds up to 54.
One way: 2 × 20 + 1 × 10 + 2 × 2 = 40 + 10 + 4 = 54.
Another way: 1 × 50 + 2 × 2 = 50 + 4 = 54.
Many combinations are possible — fill in one in the table.

Q2 Make different combinations of notes and coins to make 85.

SOLUTION

Use any combination of 1, 2, 5, 10, 20, 50 coins/notes that adds up to 85.
One way: 1 × 50 + 1 × 20 + 1 × 10 + 1 × 5 = 85.
Another way: 1 × 50 + 3 × 10 + 1 × 5 = 85.
Many combinations are possible — fill in one in the table.

Exercise 10.6 — Let us Buy

Q1 The table shows items at the fair stall with their prices. For each row: Money needed to buy the items = ___, Money you have = ___, Money left / More money needed = ___. Fill in the table.

SOLUTION

Item prices from the figure: Notebook 15, Curd 28, Oranges 30, Mug 10, Crayons 20, Bottle 55, Ball 20. Row 1 — Notebook (15) + Curd (28): Money needed = 15 + 28 = 43; Money you have = 20 (20 note shown); More money needed = 43 − 20 = 23. Row 2 — Oranges (30) + Mug (10): Money needed = 30 + 10 = 40; Money you have = 50 (50 note shown); Money left = 50 − 40 = 10. Row 3 — Crayons (20) + Bottle (55) + Ball (20): Money needed = 20 + 55 + 20 = 95; Money you have = 40 (20 note + 2×10 coins shown); More money needed = 95 − 40 = 55.

Exercise 10.7 — Let us Do — Addition of Amounts

Q1 Add: 18 + 32 = ___

SOLUTION

18 + 32 = 50.

Q2 Add: 15 + 27 = ___

SOLUTION

15 + 27 = 42.

Q3 Add: 47 + 50 = ___

SOLUTION

47 + 50 = 97.

Q4 Add: 22 + 35 = ___

SOLUTION

22 + 35 = 57.

Q5 A. Jayant spent 25 on pens and 40 on notebooks. How much money did he spend in total?

SOLUTION

Total money spent = 25 + 40 = 65.

Q6 B. Meera has 43 with her. Kanika has 14 more than Meera. How much money does Kanika have?

SOLUTION

Kanika's money = Meera's money + 14 = 43 + 14 = 57.

Q7 C. A packet of bread costs 30 and a chocolate costs 60. How much money does Vivek need to buy these items?

SOLUTION

Total money needed = 30 + 60 = 90.

Q8 D. Ajay has 58 with him. He spent 48 in the market. How much money is left with him now?

SOLUTION

Money left = 58 – 48 = 10.