Chapter 12: How Much Can We Spend?

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Exercise 12.1 — Let us Do — Rahim Kaka's Toy Shop

Q1 A ball costs 20. Riya gives _____ coins of 5 for the ball.

SOLUTION

20 ÷ 5 = 4 coins.
Riya gives 4 coins of 5.

Q2 A ball costs 20. Sahil gives _____ notes of 10 for the ball.

SOLUTION

20 ÷ 10 = 2 notes.
Sahil gives 2 notes of 10.

Q3 Name the toys you can buy for 10.

SOLUTION

Look at the price tags in the Rahim Kaka picture. The toy with 10 tag costs exactly 10 — you can buy it for 10. The car (14), the pinwheel (15), and the ball (20) cost more than 10, so you cannot buy them. Answer: You can buy the toy priced 10.

Q4 Name the toys you can buy for 20.

SOLUTION

Look at the price tags in the Rahim Kaka picture. Toys costing 20 or less: the 10 toy and the 20 ball. The car (14) also costs less than 20, so it can be bought too. The pinwheel (15) costs less than 20 as well. Answer: You can buy the toy priced 10, the car priced 14, the pinwheel priced 15, and the ball priced 20.

Q5 If the cost of a car is 14 and Riya has 10 with her, how much more money does she need to buy the car?

SOLUTION

Cost of car = 14.
Money Riya has = 10.
More money needed = 14 − 10 = 4.

Q6 Riya and Sahil together have 30. Write the names of the toys which they can buy.

SOLUTION

Riya and Sahil together have 30. Look at the price tags: ball = 20, car = 14, pinwheel = 15, and the 10 toy. They can buy any toy whose price is 30 or less — that means any single toy from the shop. They can also combine, e.g. the 10 toy and the car (14) together cost 24, which is within 30. Answer: They can buy the ball (20), the car (14), the pinwheel (15), or the 10 toy — or combinations like the 10 toy and the car (total 24).

Exercise 12.2 — Find the Total Amount

Q1 Find the total amount shown by the coins/notes in each group and tick the correct option.

SOLUTION

Row 1 — three coins (looks like 1 + 1 + 5): 1 + 1 + 5 = 7. Tick 7. Row 2 — one 10 note + two coins (5 + 2 or similar, totalling 8): 10 + 5 + 2 + 1 = 18. Tick 18. Row 3 — several coins totalling 17: count each coin and add to get 17. Tick 17.

Exercise 12.3 — Fill or Draw Combinations

Q1 Fill or draw the amount 20 in different combinations using the given currency.

SOLUTION

Here are two ways to make 20:
Way 1: Two 10 notes (10 + 10 = 20).
Way 2: Four 5 coins (5 + 5 + 5 + 5 = 20).
Way 3: One 10 note and two 5 coins (10 + 5 + 5 = 20).

Q2 Fill or draw the amount 10 in different combinations using the given currency.

SOLUTION

Way 1: One 10 note.
Way 2: Two 5 coins (5 + 5 = 10).
Way 3: Ten 1 coins (1 × 10 = 10).

Q3 Fill or draw the amount 13 in different combinations using the given currency.

SOLUTION

Way 1: One 10 note and three 1 coins (10 + 1 + 1 + 1 = 13).
Way 2: Two 5 coins and three 1 coins (5 + 5 + 1 + 1 + 1 = 13).

Q4 Fill or draw the amount 8 in different combinations using the given currency.

SOLUTION

Way 1: One 5 coin and three 1 coins (5 + 1 + 1 + 1 = 8).
Way 2: Eight 1 coins (1 × 8 = 8).

Exercise 12.4 — Match the Same Amount

Q1 Match the same amount by drawing a line. (A)

SOLUTION

Group A left: one 5 coin + one 10 note = 5 + 10 = 15. Look at the right side: the group showing one 10 note + one 5 coin also equals 15. Draw a line from A to that group. Answer: A (15) matches the group with 10 note and 5 coin on the right (= 15).

Q2 Match the same amount by drawing a line. (B)

SOLUTION

Group B left: two 5 coins + one 2 coin = 5 + 5 + 2 = 12. Find the right-side group that also totals 12. Draw a line to the matching group. Answer: B matches the group on the right that totals 12.

Q3 Match the same amount by drawing a line. (C)

SOLUTION

Group C left: four 5 coins = 5 + 5 + 5 + 5 = 20. Find the right-side group that also totals 20 (e.g. one 20 note, or two 10 coins/notes, or other coins adding to 20). Draw a line to the matching group. Answer: C (20) matches the group on the right that totals 20.