

01 Anil bought 100 sweets. He gave 24 of the sweets to his sister, 14 of the sweets to Jai, 12 of the sweets to Manoj and kept the rest of himself. What fraction of his sweets had he left ?



$$\text{Sweets he gave away} = 24 + 14 + 12 = 50$$

$$\frac{50 \div 5}{100 \div 5}$$

$$\text{Fraction of sweets left} = 1 - \frac{1}{2} = \frac{1}{2}$$

02 Jyothi prepared 850 ml of orange juice. She spilled $\frac{1}{10}$ of it and drank $\frac{3}{10}$ of it. She gave the rest equally to 3 of her friends. How much of the juice did each of her friend's get ?



$$\text{Remaining part of juice} = 1 - \frac{1}{10} - \frac{3}{10} = \frac{6}{10}$$

$$\therefore \text{Remaining juice} = 850 \text{ ml} \times \frac{6}{10} = 510 \text{ ml}$$

$$\text{Each friend share} = \frac{510 \text{ ml}}{3} = 170 \text{ ml}$$

03

Sandhya bought cosmetics with $\frac{1}{5}$ of her salary.

She spent $\frac{3}{4}$ of her remaining salary on a bag.

What was her salary if she was left with ₹ 1800 ?



Remaining salary after purchasing cosmetics

$$= 1 - \frac{1}{5} = \frac{4}{5}$$

$$\text{Amount spent for bag} = \frac{3}{4} \text{ of } \frac{4}{5} = \frac{3}{5}$$

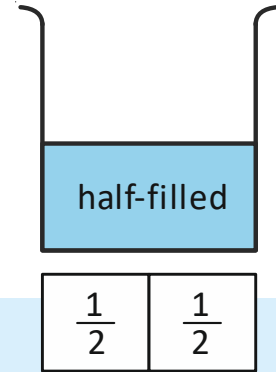
$$\therefore \text{Remaining salary} = \frac{4}{5} - \frac{3}{5} = \frac{1}{5}$$

$$\frac{1}{5} \text{ of the salary} = ₹ 1800$$

$$\therefore \text{Total salary} = ₹ 1800 \times 5 = ₹ 9000$$

04

$\frac{1}{2}$ of a container is filled with water. The water in the container can fill 6 glasses of capacity 230 ml. Find the total capacity of 2 such containers. Give your answer in litres and millilitres.



Total volume of water in the container

$$6 \times 230$$

$$= 1380 \text{ ml}$$

$\frac{1}{2}$ is one out of two equal parts

$$2 \times 1380 = 2760 \text{ ml}$$

$$2 \times 2760 = 5520 \text{ ml}$$

$$= 5 \text{ l } 520 \text{ ml}$$

The total capacity of 2 such containers is 5 l 520 ml

05 $\frac{2}{5}$ of the pupils in a class are girls. There are 12 boys in the class. Find the total number of pupils in the class.



Total number of pupils = 5 units

Number of girls : $\frac{2}{5}$ or 2 units

Number of boys : $\frac{3}{5}$ or 3 units

3 units = 12 pupils

1 unit = $12 \div 3 = 4$ pupils

5 units = $5 \times 4 = 20$ pupils

The total number of pupils in the class was 20