

Name:

1. A group of 23 boys and 18 girls went to a nursing home to entertain the residents. They were accompanied by 4 adults. What percentage of the group of people were boys?

$$\text{Total people in group: } 23 + 18 + 4 = 45$$

$$\text{Fraction of boys in the group: } \frac{23}{45}$$

$$\text{Percentage: } \frac{23 \times 100}{45} = \frac{2300}{45} = 51\frac{1}{9}\%$$

**Ans:  $51\frac{1}{9}\%$  of the group are boys.**

2. I bought 75 fruits. 40 of them are apples. What percentage of my fruits are apples?

$$\text{Fraction of apples: } \frac{40}{75}$$

$$\text{Percentage: } \frac{40 \times 100}{75} = \frac{4000}{75} = 53\frac{1}{3}\%$$

**Ans:  $53\frac{1}{3}\%$  of the fruits are apples.**

3. I have \$150. I spent \$37. What percentage of my money do I have left?

$$\text{Money left: } 150 - 37 = 113$$

$$\text{Fraction of money left: } \frac{113}{150}$$

$$\text{Percentage: } \frac{113 \times 100}{150} = \frac{11300}{150} = 75\frac{1}{3}\%$$

**Ans: I have  $75\frac{1}{3}\%$  of my money left.**

4. Library users borrowed 1,250 books in a certain week. 62% of the books borrowed were children's books. How many children's books were borrowed from the library?

Total number of books borrowed (100%):  $100\% = 1250$

Number of children's books borrowed:  $62\% = \frac{62}{100} \times 1250$   
 $= 775$

Ans: 775 children's books were borrowed from the library.

5. A family spent \$2,460 on food in a month. They spent 45% of that on groceries and the rest on eating at restaurants. How much money did the family spend on groceries?

Total amount of money spent (100%):  $100\% = 2460$

Amount spent on groceries:  $45\% = \frac{45}{100} \times 2460$   
 $= 1107$

Ans: The family spent \$1,107 on groceries.

6. Mr. Loh earns \$1,775 a month. He saves 8% of his money every month. How much money did Mr. Loh save in 4 months?

Total amount of money (100%):  $100\% = 1775$

Amount saved a month:  $8\% = \frac{8}{100} \times 1775$   
 $= 142$

Amount saved in 4 months:  $142 \times 4 = 568$

Ans: Mr. Loh saved \$568 in 4 months.