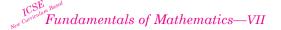
CHAPTER 7

SCS

More Questions for Practice

PERCENTAGE

- Write each of the following percentages as a decimal:
 (*a*) 47%
 (*b*) 2%
 (*c*) 30%.
- 2. Convert each of the following decimals as a percentage:
 (*a*) 0.63 (*b*) 0.05 (*c*) 0.75.
- **3.** Write each of the following as a percentage:
- (a) 1.2 (b) 1:4 (c) 3:4 (d) 19:20. 4. Find: (a) 50% of ₹ 370 (b) 18% of ₹ 2,050. 5. Find: (a) 65% of 1 kg (b) 100% of ₹ 10 (c) 16% of ₹ 25 (d) 37.5% of 1200 litres (e) $4\frac{1}{2}$ % of 20 kg.
- 6. (*a*) Find the number which when increased by 10% becomes 88.
 - (*b*) Find the number which when decreased by 35% becomes 5395.
- 7. A watch gains 3 minutes a day. What per cent of time does it gain?
- 8. In measuring a line segment of length 2.5 cm, it was measured as 2.55 cm by mistake. Find the error per cent.
- 9. The speed of a train is 90 km/h. It is increased by 10%. Find the new speed of the train.
- **10.** Najma purchased 15 metres of cloth, out of which 15% was used for making a shirt. How much cloth was used for making the shirt?
- 11. Manju's monthly salary was ₹ 12,400. Her salary is increased by 2%. How much increase does she get? Also, find her increased salary.
- **12.** A shopkeeper increases the price of a television set by 8%. If the original price is ₹ 6,400, what is its new price?
- **13.** A car loses 55% of its value after four years. If it costs ₹ 6,50,000 when new, what is its value after four years?
- **14.** When 60% of a number is added to 60, the result is the same number. Find the number.
- **15.** The monthly expenditure of a family on food is ₹ 4,500. If the price of food items is increased by 8%, find the increased expenditure of the family on food.
- 16. Renuka's annual income is ₹ 20,000. She spends ₹ 15,000. What percentage of her income does she spend?
- **17.** In an election, out of 75,000 eligible voters, 50,000 cast their votes. What was the percentage of eligible voters not casting their votes?



- **18.** On the selling price of ₹ 400, Hari Ram paid ₹ 28 as sales tax. What was the percentage of sales tax charged?
- **19.** The excise duty on a certain item is reduced to ₹ 870 from ₹ 1,160. Find the percentage reduction in the excise duty for that item.
- **20.** An iron rod on heating expanded to one and a half of its length. Find out the percentage increase in the length of the rod.
- **21.** Hari is 160 cm tall. His sister Deepa is 6% shorter than him. What is Deepa's height?
- 22. After deducting 10% of the amount of a bill, ₹ 738 is left to be paid. What is the original amount of the bill?
- **23.** In an examination a student has to secure 48% marks to pass. If Ravi gets 247 marks and fails by 5 marks, what are the maximum marks?
- **24.** If 87.5 kg of flour remains with a shopkeeper in the evening after he sells off 30% of the flour that he had in the morning, how much flour did the shopkeeper start with in the morning.
- **25.** At present a tank holds 60 litres of water. It is only 30% full. How many more litres of water should be put in this tank so that it is 50% full?
- **26.** Out of a monthly salary of ₹ 4,500, Kavita saves one third. Of the remainder, she spends 50% on food and 20% on house rent. How much does she spend on food and house rent together?
- **27.** The weight of a 3 month old baby is 6.08 kg. This is 190% of her weight at birth. Calculate the baby's birth weight.
- 28. A reduction of 20% in the price of sugar enables a purchaser to obtain 8 kg more for ₹ 160. What is the reduced price per kg? What was the price per kg before reduction?

ANSWERS						
1.	(<i>a</i>) 0.47	(b) 0.02	(c) 0.3	2. (<i>a</i>) 63%	(b) 5%	(c) 75%
3.	(<i>a</i>) 120%	(b) 25%	(c) 75%	(<i>d</i>) 95%	4. (<i>a</i>) ₹ 185	(<i>b</i>) ₹ 369
5.	(<i>a</i>) 650 g	<i>(b)</i> ₹ 10	(c) ₹4	(<i>d</i>) 450 litres	(e) 900 g	
6.	(<i>a</i>) 80	(<i>b</i>) 8300	7. $\frac{5}{24}\%$	8. 2%	9. 99 km/h	
10.	2.25 metres	11. ₹ 248; ₹ 12648		12. ₹ 6,912	13. ₹ 2,92,500	14. 150
15.	₹4,860	16. 75%	17. $33\frac{1}{3}\%$	18. 7%	19. 25%	20. 50%
21.	150.4 cm	22. ₹ 820	23. 525	24. 125 kg	25. 40 litres	26. ₹ 2,100
27.	3.2 kg	28. ₹ 4, ₹ 5 per kg.				



