

# Chapter—1

## Integers

### 1. Fill in the blanks:

- (a)  $30 \div \underline{\hspace{2cm}} = 3$   
(b)  $-89 \div \underline{\hspace{2cm}} = 89$   
(c)  $\underline{\hspace{2cm}} \div 1 = -205$   
(d)  $\underline{\hspace{2cm}} \times (-12) = 120$   
(e)  $24 + 12 \div 4 - 5 \times 3 = \underline{\hspace{2cm}}$

2. Find the value of P, if  $p \times (-9) = 135$

3. The additive inverse of zero (0) is  $\underline{\hspace{2cm}}$ .

4. Match the properties of Integers :

- (a) Distributive law over addition (i)  $a + 0 = a = 0 + a$   
(b) Associative law for multiplication (ii)  $a + b = b + a$   
(c) Additive Identity (iii)  $(a \times b) \times c = a \times (b \times c)$   
(d) Commutative law over addition (iv)  $a \times 1 = 1 \times a = a$   
(e) Multiplicative Identity (v)  $a \times (b + c) = a \times b + a \times c$

5. Use the sign of  $>$ ,  $<$  or  $=$  in the box to make the statement true.

- (a)  $25 - 40 + 10$   $25 - 40 - 10$   
(b)  $(-9) + (-6)$   $(-9) - (-6)$   
(c)  $35 + (-70) - (-35)$   $(-24) - (15) + 39$

### 6. Evaluate :

- (a)  $(-1) \times (-2) \times (-3) \times (-4) \times (-5)$   
(b)  $795 \times (-25) + (-795) \times 75$   
(c)  $(-59) \times (-19) + 59$

7. An elevator descends in to a mine shaft at the rate of 7m/min. If he descent starts from 5m above the

ground level, how long will it take to reach  $-205\text{m}$ ?

8. With the help of number line find how much greater is the number 3 then  $-3$ .

9. The sum of two integers is  $-1500$ . One of the number is 599. Find the other number.

### 10. Write the answer in True/False :

- (a) When 0 is divided by an integer, the quotient is zero.  
(b) The product of an integer and 1 is an integer.  
(c) When an integer in divided by itself, the quotient is 1.

11. The product of two integers is  $-160$ . If one of them is 20, find the other.

12. What integers should be multiplied by  $(-12)$  to becomes  $-300$ .

13. Pallavi got the scholarship of 1000 from the her school. If she gives 550 for the help of flood relief, find the balance amount with her.

14. A building has 21m height. A monkey can climb 3m in one jump. In how many jumps, would the monkey reach at the top of the building?

## Chapter—2

# Fractions and Decimals

1.(a)  $(1/2)+(2/3) =$

(b)  $(5/2)-(7/3) =$

2. (a)  $(2/5) \times (3/7) =$

(b)  $(2/9) \times (3/20) =$

3. The two-third of 42 is \_\_\_\_\_.

4. Karim had 20 toffees. He took these toffees with him to a picnic with four of his friends. Karim along with friends, shared these toffees equally. How many toffees did each one get?

5. How long is 88.6km than 48 km?

6. If cost of 20 pens is 356.80, then find the cost of a pen.

7. Kartikeya bought 5 kg 500g apples and 3 kg 250g of oranges. Shivani bought 4kg 200g mangoes and 4kg 500g guavas. Who bought more fruits and how much?

8. Express in kg:

(a) 4730g (b) 8kg 4g

9. Soumya ate  $2/5$  part of an apple and her younger brother Somu ate the remaining part. What part of the apple did Sonu eat? Who had the longer share and by how much?

10. Convert :

(a) 0.25 into fraction (b)  $19/20$  to decimal form