

**WORKSHEET**

**MATHEMATICS**

**GRADE-VII Date: 23.01.20**

Practice the questions given in the worksheet on like and unlike terms. The questions are based on identifying like and unlike terms from each group.

**1. Group the like terms together:**

(i) 5x, -7y, -x, y/2, 5x/7, x and y

(ii) 2/3ab, -3ab, 5bc, -2/5bc, bc/4 and ab

(iii) –xy2, -y2x2, 5y2x, -10x2y2 and 3xy2  
  
(iv) 8ax, -3by, by/10, 5xa and 3/5ax  
  
(v) 5a2b, ab2, 3a2b, 2ab2 and 10a2b

**2. List out the like terms from each set:**

(i) 2m2n3, -3m2n3, 4mn2, 7m2n3  
  
 (ii) 12a2b, 3ab2, 4ba2, 2a2b

(iii) 2u3v2, 4u2v3, 7v2u3, -2u3v2  
  
 (iv) -3a3b2z, 4zb3a2, 12a3b2z, 17a3b2  
  
 (v) 3x2y2z, 2xz2y2, -5x2y2z, 7zx2y2, -11x3y2

**3. State whether the following statements are true or false:**

(i) 8z has two terms 8 and z.

(ii) Expression 10 + k has two terms 10 and k.

(iii) xy and –yx are like terms.

(iv) a2b and –b2a are like ters.

(v) m and –m are like terms.

(vi) –ba and 5ab are unlike terms.

(vii) 10 and 10z are like terms.

(viii) 5xy and 3axy are unlike terms.

(ix) 7b2a and -2ab2 are like terms.

(x) m/5, 5m, m are unlike terms.

**4. State the number of terms in each of the following expressions:**

(i) 2a – p

(ii) 5 × z + m ÷ 2

(iii) 7z – z/a

(iv) p ÷ m × q + r

(v) 5x ÷ 3 + z + 5

(vi) (c – 3m + 5) ÷ 2

(vii) a × b × y × z ÷ 11

(viii) x + y ÷ p

(ix) x + y + z + 13 ÷ m

(x) 3 × a + 3 ÷ x + 3