

## Worksheet (2) | Lower Secondary Stage (6-8)

1<sup>st</sup> Semester | 2023-2024

Name: .....

Subject: math

Date: / /

Class: Grade 8

Objective:

*Factorise by taking the highest common factor.*

### EXERCISE (1):

*Find the H. C. F of each of the following:*

1  $12a, 16ab$

2  $8a, 12b$

3  $10x^6 y^3, 45x y^7$

4  $12d^2 w^2 r^5, 4w^3 d^{10}$

5  $n^3 s^5 r^5, 6ns^3 r^7$

6  $5k^8 w^3 h^2, 11k^2 h^4$

**EXERCISE (2):**

*factorise each of the following algebraic expressions :*

**7**  $6r^2 - 10r$

**8**  $ab^2 - 2ab$

**9**  $12n^2 m - 8nm^3$

**10**  $15wx - 10wy^2$

**11**  $4t^2 + 2t - 12tu$

**12**  $12p + 24q - 6$