

## UNIT 5: FACTORISATION

### Exercise 5.1



Work on your own. Complete the exercise for classwork or homework. For each of the following groups of numbers, find the highest common factor (HCF).

1.  $4ac^2$ ;  $8bc$ ;  $4b^2c$
2.  $3x^2$ ;  $xy$ ;  $9y^2$
3.  $25a^3b^2c$ ;  $15a^2b^2c$ ;  $20a^2b^4$
4.  $12cd$ ;  $16c^2$ ;  $10cd^2$
5.  $15x^2y^3$ ;  $21xy$ ;  $12y^2$
6.  $5a^2bc$ ;  $12ac$ ;  $7bc^2$ ;  $10ac^2$
7.  $30x^4yz^3$ ;  $45x^2y^4z^2$ ;  $50x^5y^3z^2$
8.  $32x^2y^2$ ;  $24x^2y$ ;  $16x^2y^3$
9.  $10mn$ ;  $2m$ ;  $5n$
10.  $5xy$ ;  $15y$ ;  $20xy^2$