

● Easier

1. $4xy + 3xy + 2xy =$

2. $5ab + 2ab + 3bc + bc =$

3. $6yz + 2yz - yz + 3yz =$

4. $7mn - 2mn + 3mn + mn =$

5. $3xy + 4yz + 2xy - yz =$

● More complex

1. $5xy + 3yz + 2xz + 4xy - yz + xz =$

2. $6ab + 3bc - 2ab + 5ac + bc - 3ac =$

3. $4x^2y + 3xy^2 - 2x^2y + 5xy + 2x^2y - xy^2 =$ x^2y xy^2 xy

4. $7mn + 2np + 3m^2p - 4mn + np + 5m^2p - 2np =$ mn np m^2p

5. $3a^2b + 2ab^2 - ab + 4ab^2 + 5a^2b - 3ab + ab^2 =$ a^2b ab^2 ab

✕ ÷ Multiplication & Division

● Easier (simple expansion, single step)

1. $3x \times 2y \times 4x \times y =$ $x y$

2. $5a \times b \times 2a \times 3b =$ $a b$

3. $2xy \times 3 \times 4xy \times 2c =$ $c \times y$

4. $6mn \div 2m =$

i. $12m^2n$

ii. $3m^2n^2$

iii. $12m$

iv. $3n$

c. $16xyz \div 4xz =$

i. $64xyz$

ii. $64x^2yz^2$

iii. $4x^2yz^2$

iv. $4y$

● **More complex (multi-step + brackets + mixed powers)**

1. $2xy \times 3y =$ $x \ y$

2. $3a \times 2bc =$ $a \ b \ c$

3. $4xy \times 2yz \times 2yz =$ $x \ y \ z$

4. $15m^2n \div 3mn =$

i. $5m^2$

ii. $5m^3n^2$

iii. $45m^3n^2$

iv. $5m$

5. $24a^4b^2c \div 6abc =$

i. $4a^3bc$

ii. $4a^3b$

iii. $4a^5b^3c$

iv. $4a^2b$