

Year 7

Core:

1. $3(x+4)$
2. $7(y+3)$
3. $6(2x+1)$
4. $2(3x+7)$
5. $4(2p+3)$

Extension:

1. $5(w-2)$
2. $6(2x-1)$
3. $5(6x+5)$
4. $4(5p-7)$
5. $15x+18$
6. $3(5c+8d)$

Challenge:

1. $8(2n+3)$
2. $4(2a+1)$
3. $2(a+b)$
4. a) he took out a factor of 2 rather than the highest common factor, which is 4
b) $4(x+2)$
5. a) $4x+14$
b) $2(x+7)$
c) y is equal to 2 lots of $x+7$, therefore 2 is a factor of y