**![C:\Users\Lindsay\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\K6AEE9QW\MC900281219[1].wmf]()**Q1. Multiply out and simplify:

(a) 7 + 3(n – 2) (b) 3 – 5(y + 3) (c) 7(5 – 2y) – 4(2 + 3y)

(d) - 5(2 – m) – 3m

Q2. Solve the following equations:

(a) 3(a – 3) = 15 (b) 7(y+1) + 2 = 30 (c) -18 = 6(p + 8)

(d) 10 – 2(a + 3) = a + 19

Q3. Multiply out the brackets and simplify:

(a) (a + 2)(a+ 5) (b) (t – 3)(t - 1) (c) (m – 7)(m + 3) (d) (4n + 3)(2n + 1)

(e) $(2c-5)^{2}$

Q4. Solve:

(a) $\left(a + 1\right)\left(a+ 2\right)=a^{2}+15 $ (b) $\left(y-4\right)\left(y+1\right)=(y-2)^{2}$

![C:\Users\Lindsay\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\2JNV4ZM7\MC900441314[1].png]()![C:\Users\Lindsay\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\ZMXAGOBW\MC900423553[1].wmf]()Q5. Two piles of money bags have the same value.

**£(c + 1)**

**21 bags**

**£(5c – 1)**

**7 bags**

(a) Make an equation and solve it.

(b) Say how much one bag from each pile is worth