8.   Find the point of intersection of the straight lines with equations

$2x + y = 5$ and $x - 3y = 6$.   4

10.   Andrew and Daisy each book in at the Sleepwell Lodge.

    (a)   Andrew stays for 3 nights and has breakfast on 2 mornings.
        His bill is £145.
        Write down an algebraic equation to illustrate this information.   1

    (b)   Daisy stays for 5 nights and has breakfast on 3 mornings.
        Her bill is £240.
        Write down an algebraic equation to illustrate this information.   1

    (c)   Find the cost of one breakfast   3

Q4.   A sports centre charges different entrance fees for adults and children.

    (a)   One evening 14 adults and 4 children visited the sports centre.
        The total collected in entrance fees was £55.00.

        Let x pounds be the adult entrance fee and y pounds be the child's
        entrance fee.

        Write down an equation in x and y to describe the above information.   1

    (b)   The following evening 13 adults and 6 children visited the sports centre.
        The total collected in entrance fees was £54.50.

        Write down a second equation in x and y.   1

    (c)   Calculate the entrance fee for an adult and the entrance fee for a child.   4

A jeweller uses two different arrangements of bead and pearls.
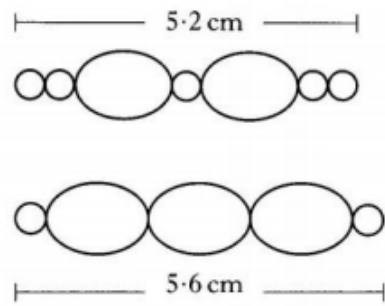
The first arrangement consists of 2 beads and 5 pearls and has an overall length of 5.2 centimetres.

The second arrangement consists of 3 beads and 2 pearls and has an overall length of 5.6 centimetres.

Find the length of **one** bead and the length of **one** pearl.　　　　　　6