

21 550 people saw a film at a cinema.

Of these people, there were x adults and y children.

(a) Use this information to write down an equation in x and y .

.....
(1)

The price of an adult ticket for the film was £22 and the price of a child ticket for the film was £12

50 children each received a £5 discount from the price of a child ticket.

The total income from all the tickets sold for the film was £8600

(b) Use this information to write down a second equation in x and y .

.....
(1)

(c) Solve your equations to find the value of x and the value of y .

$x = \dots$

$y = \dots$
(3)

(Total for Question 21 is 5 marks)

