

**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  $y$ .

$x =$  .....

$y =$  .....

(3)

(Total for Question 21 is 5 marks)

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