

National 5 Maths
SQA 2014 Paper 2
Question 3

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Two groups of people go to a theatre.

Bill buys tickets for 5 adults and 3 children.

The total cost of his tickets is £158.25.

(a) Write down an equation to illustrate this information. 1

(b) Ben buys tickets for 3 adults and 2 children.

The total cost of his tickets is £98.

Write down an equation to illustrate this information. 1

(c) Calculate the cost of a ticket for an adult and the cost of a ticket for a child. 4

Answers:

Choosing a for the price of an adult ticket and c for price of a child's ticket:

(a) $5a + 3c = 158.25$

(b) $3a + 2c = 98$

(c) Adult ticket: £22.50. Child's ticket: £15.25.