

## Metro Maths - Ticket to ride

The costs of single and return tickets for different zones on Metro are shown below.

Please use the information to work out the answers to the questions.

Metro single ticket			
Zone	One zone	Two zones	Three zones
Price	£1.30	£2.00	£2.70

- 1 How much money would you save if you bought 1 single 'Three zones' ticket rather than 3 single 'One zone' tickets?
- 2 How much money would you save if you bought 1 single 'Three zones' ticket rather than 1 single 'One zone' ticket and 1 single 'Two zones' ticket?
- 3 How much money would you spend in total if you bought 1 single 'One zone' ticket, 1 single 'Two zones' ticket and 1 single 'Three zones' ticket?
- 4 If four people shared the total cost of 1 single 'One zone' ticket, 1 single 'Two zones' ticket and 1 single 'Three zones' ticket, how much would they each spend?
- 5 How much money would you spend if you bought 4 single 'One zone' tickets?

Metro return ticket			
Zone	One zone	Two zones	Three zones
Price after 9.00am	£1.70	£2.60	£3.30
Price before 9.00am	£2.10	£3.20	£4.20

- 1 How much money would you spend in total if you bought 1 return 'One zone ticket', 1 return 'Two zones ticket' and 1 return 'Three zones' ticket for before 9.00 am?
- 2 How much money would you spend in total if you bought 1 return 'One zone ticket', 1 return 'Two zones ticket' and 1 return 'Three zones' ticket for after 9.00 am?
- 3 How much less would you spend for all the return 'before 9am tickets' rather than all the return 'after 9am tickets'?
- 4 If five people shared the total cost of 1 return 'One zone' ticket, 1 return 'Two zones' ticket and 1 return 'Three zones' ticket for before 9am, how much would they each spend?
- 5 How much money would you spend if you bought 4 return 'Two zones' tickets for after 9am?