

Problem solving with addition and subtraction: money 1 - answers

1.

Step 1 Read and understand the problem.	You meet friends in town and decide to look round the shops and then go for a game of pool. You have £10 with you. Your bus fare home will cost 50p and you will need £4 for a few games of pool and something to drink. What do you have left to spend in the shops?
Step 2 Work out what calculations you need to do.	This involves subtraction. Subtract the amounts that you know you'll need from the total amount you're taking with you (£10). This will tell you how much you have to spend.
Step 3 Carry out the calculations and answer the problem.	You need: $50\text{p} + £4 = £4.50$ $£10 - £4.50 = £5.50$ You have £5.50 to spend in the shops.
Step 4 Check your answer works.	Check by adding what you need to what you think you could spend in the shops: $50\text{p} + £4 + £5.50 = £10$ The answer is correct.

2.

Step 1 Read and understand the problem.	The bus fare from your home to the coach station is 90p one way or £1.10 return. How much would you save by buying a return ticket instead of 2 one-way tickets?
Step 2 Work out what calculations you need to do.	You need to find the difference between the cost for 2 one-way tickets and the cost of a return ticket. First find the cost of 2 one-way tickets (2 lots of 90p). Then subtract the cost of a return ticket to find the price difference.
Step 3 Carry out the calculations and answer the problem.	Cost of 2 one-way tickets: $90\text{p} + 90\text{p} = £1.80$ Compare with cost of return ticket: $£1.80 - £1.10 = 70\text{p}$ difference. You would save 70p by buying a return ticket.
Step 4 Check your answer works.	Add 70p to the cost of a return - this should equal the cost of 2 one way tickets: $£1.10 + 70\text{p} = £1.80$ The answer is correct.