

Problem solving with addition and subtraction: time - answers

1.

Step 1 Read and understand the problem.	You arrive at the bus stop at 10.30 am. Your bus is due at 10.45 am. How many minutes will you have to wait?
Step 2 Work out what calculations you need to do.	You need to work out the number of minutes from 10.30 to 10.45. This could be done by subtraction, or you could count on from 10.30.
Step 3 Carry out the calculations and answer the problem.	10.30 to 10.40 is 10 minutes. 10.40 to 10.45 is 5 minutes. 10 + 5 = 15 minutes. You will have to wait 15 minutes.
Step 4 Check your answer works.	You could check by addition: 10.30 + 15 minutes = 10.45 The answer is correct.

2.

Step 1 Read and understand the problem.	Your puppy needs to be inoculated before he can go out for a walk. He'll be 8 weeks old when he has his first inoculation. You have to wait 6 weeks for his booster and another 4 weeks for the booster to take effect. How old will he be when he can go out?
Step 2 Work out what calculations you need to do.	You need to work out the age the puppy will be in weeks. Start from his age at the first inoculation (8 weeks) and add on all the weeks that he needs to stay in.
Step 3 Carry out the calculations and answer the problem.	8 weeks + 6 weeks + 4 weeks = 18 weeks. The puppy will be 18 weeks old when he can go out.
Step 4 Check your answer works.	Work backwards: 18 - 4 - 6 = 8 weeks. This is the age at the first inoculation. The answer is correct.

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