Running a sandwich shop

Show all your working out – even if you use a calculator.

The manager of a sandwich shop pays all staff the minimum national wage.

Use the information below to answer the questions.

Jake – 35 years old

Joe - 17 years old

Amelia - 16 years old

Lee - 20 years old

UK National Minimum Wage from 1 October 2011
- £6.08 - the main rate for workers aged 21 and over
- £4.98 - the 18-20 rate
- £3.68 - the 16-17 rate for workers above school leaving age but under 18
- £2.60 - the apprentice rate, for apprentices under 19 or 19 or over and in the first year of their apprenticeship

  Source: http://www.direct.gov.uk/en/Employment/Employees/NationalMinimumWage/index.htm

1. Calculate the cost of employing Jake (35), Amelia (16), Joe (17) and Lee (20) to work in the shop for 1 hour

2a. The manager has a budget of £70 to staff his shop on Wednesday – can he afford to employ Lee and Joe from 8am – 4pm?

2b. How much over / under budget will he be?

3. On Monday Jake works for 4 hours, Amelia works for 5 hours and Lee does a 7 hour shift – calculate the wage bill for the shift.

4a. December is a busy time for the shop. The manager needs the shop to be fully staffed for the whole week before Christmas. Work out how much it will cost to pay Jake, Lee, Joe and Amelia if they all work 37 hours that week.

4b. Calculate the wage difference between Jake and Joe that week.

5. Joe is off college over the summer so he goes full time at the shop. How much will he earn in August if he works 37 hours a week for 4 weeks?

6. Jake works full time (37 hours per week, 48 weeks per year). His wife earns exactly the same wage at another shop in the city. How much do they earn altogether?

Extension
Use a separate sheet and show all your working out clearly.
Calculate the wage bill for the year if:
- Jake works full time (37 hours per week for 48 weeks)
- Lee works part time (15 hours per week for 48 weeks)
- Amelia works Saturdays (8 hours per week for 48)
- Joe works throughout his college holidays (37 hours per week for 10 weeks)