

LI: Knowledge: Working with Overtime

LI: Skills: Understanding hourly rates of pay, basic numerical skills

SC: Use knowledge of overtime in unfamiliar contexts

Examples: (Nat. 4)

(1) My hourly rate of pay is £8.60. How much will I earn if I work 6 hours overtime at time and a half.

$$\text{Overtime Rate} = 1.5 \times 8.60 = \text{£}12.90$$

$$6 \text{ hours overtime} = 6 \times 12.90 = \text{£}77.40$$

(2) I usually work 35 hours a week at a basic rate of £14 per hour. How much will I earn altogether if I get overtime at double time and work a total of 45 hours.

$$\text{OT rate} = 2 \times 14 = \text{£}28$$

$$\text{Basic Pay} = 35 \times 14 = \text{£}490$$

$$\text{No. hrs OT} = 45 - 35 = 10$$

$$\text{Total OT pay} = 10 \times 28 = \text{£}280$$

$$\text{Total pay} = 490 + 280$$

$$\text{Total Pay} = \text{£}770$$

Learn:

- Double time is $2 \times$ basic hourly rate
- Time and a half is $1.5 \times$ basic hourly rate

(3) Challenge:

Alice Anderson has a part-time job in a call centre.

Her basic rate of pay is £6.50 per hour.

At weekends she gets paid overtime at time and a half.

Last week she was paid £136.50, which included 4 hours overtime.

How many hours did she work at the basic rate?



$$\text{Basic pay} = \text{£}6.50 \text{ per hour}$$

$$\text{OT Rate} = 1.5 \times 6.50 = \text{£}9.75$$

$$\text{Total OT} = 4 \times 9.75 = \text{£}39$$

$$\text{Total basic Pay} = 136.50 - 39 = \text{£}97.50$$

$$\text{No. of Hours at basic pay} = 97.50 \div 6.50 = \underline{\text{15hours}}$$