

Wages + Overtime Answers

① £7.80 per hour, OT \Rightarrow double time

$$\text{OT rate} = 7.80 \times 2 = \underline{\underline{15.60}}$$

$$6 \text{ hours OT} = 15.60 \times 6 = \underline{\underline{93.60}}$$

② 1.8% of 14,680 = $14,680 \div 100 \times 1.8 = \underline{\underline{264.24}}$

③ £15.60 per hour: Tigers \Rightarrow double time

$$\text{Tigers hourly rate} = 15.60 \times 2 = \underline{\underline{31.20}}$$

$$4 \text{ hrs with Tigers} = 4 \times 31.20 = \underline{\underline{124.80}}$$

④ 24p for each loaf.

$$\text{a) } 80 \text{ loaves of bread} = 80 \times 24p = \underline{\underline{19.20}}$$

$$\text{b) } 60 \div 0.24 = \underline{\underline{250}} \text{ loaves of bread}$$

⑤ £7.20 per hour. OT \Rightarrow time and a half

$$\text{OT rate} = 7.20 \times 1.5 = \underline{\underline{10.80}}$$

$$10 \text{ hrs OT} = 10.80 \times 10 = \underline{\underline{108}}$$

⑥ £10.60 per fire place.

$$\text{a) } 4 \text{ fireplaces} = 4 \times 10.60 = \underline{\underline{42.40}}$$

$$\text{b) } 339.20 \div 10.60 = \underline{\underline{32}} \text{ fire places for whole week,} \\ \text{hence } \underline{\underline{28}} \text{ more fire places}$$

⑦ £9.80 per hour, 35 hr week. OT \Rightarrow double time

$$\text{Basic week} = 9.80 \times 35 = 343$$

$$\text{OT rate} = 9.80 \times 2 = 19.60$$

$$6 \text{ hrs OT} = 6 \times 19.60 = 115.20$$

$$\text{Total pay} = 343 + 115.20$$

$$= \underline{\underline{458.20}}$$

(8) 1.5% commission £200 bonus if sells more than 10 cars

$$\text{Commission} = 1.5\% \text{ of } 168000 = 2520$$

$$\text{Total Pay} = 2520 + 200$$

$$\underline{\underline{\text{Total Pay} = £2720}}$$

(9) 36 hrs a week, £18.20 ph. OT \Rightarrow time + a half

$$45 \text{ hrs} \Rightarrow 9 \text{ hrs OT. (36 hrs basic)}$$

$$\text{Basic Pay} = 36 \times 18.20 = £655.20$$

$$\text{OT rate} = 18.20 \times 1.5 = £27.30$$

$$9 \text{ hrs OT} = 9 \times 27.30 = 245.70$$

$$\begin{aligned} \text{Total Pay} &= 655.20 + 245.70 \\ &= \underline{\underline{£900.90}} \end{aligned}$$

(10) £10.50 per hour Basic 35 hrs OT \Rightarrow double time
OT rate \Rightarrow £21

$$\text{Basic Pay} = 35 \times 10.50 = 367.50$$

$$\text{OT Pay} = 493.50 - 367.50$$

$$\text{OT Pay} = 126$$

$$\text{No of hrs of OT} = 126 \div 21 = \underline{\underline{6 \text{ hrs}}}$$

(11) £16.50 per hour. OT \Rightarrow time + a half

$$9 \text{ am to } 1 \text{ pm} = 4 \text{ hrs} \quad \text{mon to fri} = 5 \text{ days}$$

$$\text{Basic week} = 20 \text{ hrs}$$

$$\text{Basic Pay} = 20 \times 16.50 = £330$$

$$\text{No of OT hours} = 1 + 2 + 1 = 4 \text{ hrs}$$

$$\text{OT rate} = 16.50 \times 1.5 = 24.75$$

$$\text{OT Pay} = 24.75 \times 4 = 99$$

$$\text{Total Pay} = 99 + 330 = \underline{\underline{£429}}$$

(12) £6.80 per hour, £1.50 per customer, 36 hrs a week.

total earnings £352.80.

$$\text{Basic Pay} = 6.80 \times 36 = \underline{244.80}$$

$$\text{extra Pay} = 352.80 - 244.80 = \underline{108}$$

$$\text{N}^{\circ} \text{ of customers} = 108 \div 1.50 = \underline{\underline{72}}$$

(13) 4.8% commission.

$$4.8\% \text{ of Sales} = 1751.04$$

$$0.048 \times \text{Sales} = 1751.04$$

$$\text{Sales} = 1751.04 \div 0.048$$

$$\text{Sales} = \underline{\underline{36,480}}$$

(14) £11.80 p.h. 30 hrs p. week. OT \rightarrow time and a half.

total pay £519.20

$$\text{Basic Pay} = 30 \times 11.80 = \underline{354}$$

$$\text{Total OT Pay} = 519.20 - 354 = \underline{165.20}$$

$$\text{OT Rate} = 1.5 \times 11.80 = \underline{17.70}$$

$$\text{N}^{\circ} \text{ hrs OT} = 165.20 \div 17.70$$

$$= 9.333\dots \quad (9\frac{1}{3} \text{ hrs})$$

$$= \underline{\underline{9 \text{ hrs } 20 \text{ mins}}}$$