1 Lucy works in a clothes shop.

Examiner's

- (a) In one week she earned \$277.20.
 - (i) She spent $\frac{1}{8}$ of this on food.

Calculate how much she spent on food.

Answer(a)(i) \$
$$34.65$$
 [1]

She paid 15% of the \$277.20 in taxes. Calculate how much she paid in taxes.

$$\frac{15}{100} \times $277.20 = $41.58$$

(iii) The \$277.20 was 5% more than Lucy earned in the previous week.

Calculate how much Lucy earned in the previous week.

Trevious week increase This week $x = \frac{100}{105} \times 4277.20$ 100% 5% 105% x = \$264Previous week X

$$x = \frac{100}{105} \times 4277.20$$

$$x = 4264$$

- (b) The shop sells clothes for men, women and children.
 - (i) In one day Lucy sold clothes with a total value of \$2200 in the ratio

men: women: children = 2:5:4.

Calculate the value of the women's clothes she sold.

$$\frac{5}{2+5+4} \times $2200$$
=\frac{5}{11} \times \$2200
Answer(b)(i) \$ \quad \text{1000} \quad \text{[2]}

(ii) The \$2200 was $\frac{44}{73}$ of the total value of the clothes sold in the shop on this day.

Calculate the total value of the clothes sold in the shop on this day.

$$\frac{73}{44} \times $2200$$
= \$3650