

Unit 2 - Page 11

85 (a) bus

(b) fraction = $\frac{90}{360}$

(c) let total students = x

$$\frac{1}{4}x = 18$$

$$\Rightarrow x = 18 \times 4 \\ = 72$$

(d) central angle for taxi = $360 - 330$
 $= 30^\circ$

no. of students travel. by taxi

$$= \frac{30}{360} \times 72$$

$$= 6$$

(e) cycle and walk

86 (a) Outcomes = 6 (1, 2, 3, 4, 5, 6)

$$P(\text{odd outcomes}) = \frac{3}{6} \quad (1, 3, 5)$$

$$P(\text{greater than 5}) = \frac{1}{6} \quad (6)$$

$$P(\text{multiple of 3}) = \frac{2}{6} \quad (3, 6)$$