

Year 8 Assignment 3 : Pie Charts : Answers

1) a) First $38 + 17 + 30 + 32$
 $= 117$

$\therefore 120 - 117 = 3$

FISH = 3 families

b) Calculations

$$\text{Cat} = \frac{38}{120} \times 360^\circ = 114^\circ$$

$$\text{Hamster} = \frac{17}{120} \times 360^\circ = 51^\circ$$

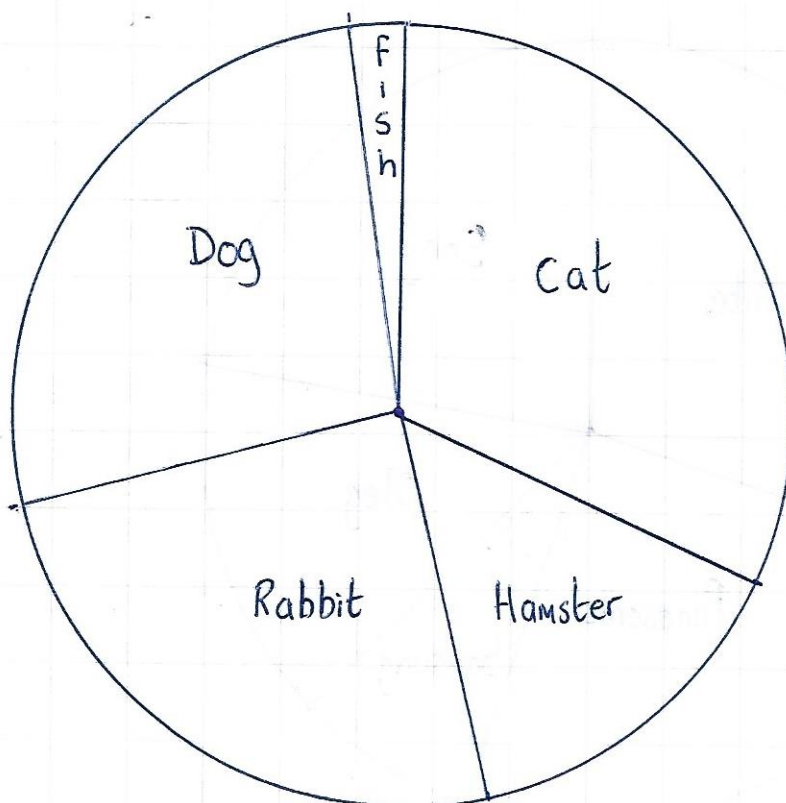
$$\text{Rabbit} = \frac{30}{120} \times 360^\circ = 90^\circ$$

$$\text{Dog} = \frac{32}{120} \times 360^\circ = 96^\circ$$

$$\text{Fish} = \frac{3}{120} \times 360^\circ = 9^\circ$$

TOTAL 360° ✓

A Pie Chart to Show Types of Pet Owned by Families



2) a) First $18 + 12 + 20 + 24$
 $= 74$

∴ Samsung TV $= 80 - 74$
 $= 6$

b) Calculations

$$\text{Sony} = \frac{18}{80} \times 360^\circ = 81^\circ$$

$$\text{Oleg} = \frac{12}{80} \times 360^\circ = 54^\circ$$

$$\text{Samsung} = \frac{6}{80} \times 360^\circ = 27^\circ$$

$$\text{Panasonic} = \frac{20}{80} \times 360^\circ = 90^\circ$$

$$\text{Toshiba} = \frac{24}{80} \times 360^\circ = 108^\circ$$

TOTAL 360° ✓

Make of TV Owned by 80 Families

