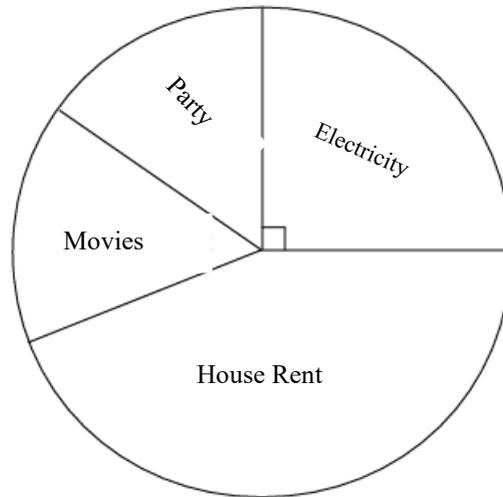


Q1.



(a)

House Rent

(b)

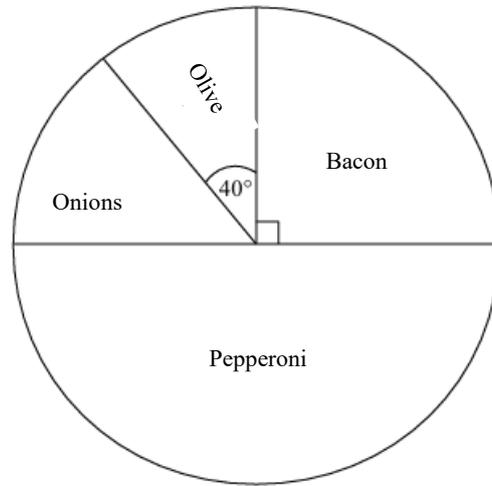
$$\frac{1}{4}$$

(c)

$$\text{Razzaq spent} = 410 \times 4 = \text{Rs. } 1640$$

---

Q2.



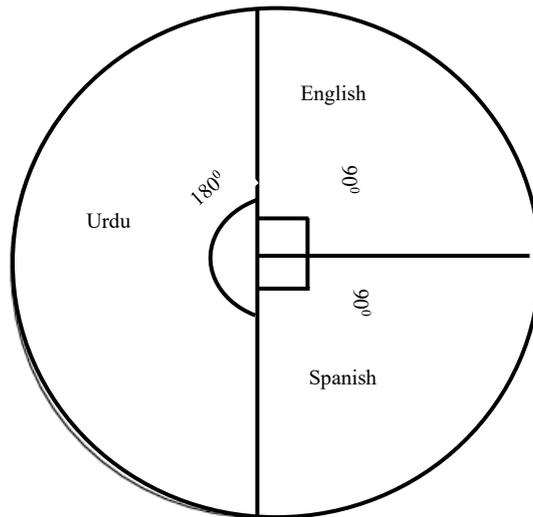
<b>Toppings</b>	<b>Frequency</b>	<b>Angle of Sector</b>
Bacon	18	90
Pepperoni	36	180
Onions	10	50
Olive	8	40

---

Q3.

Language	Urdu	English	Spanish
Number of Students	60	30	30
Angle (deg)	$60 \times 3 = 180^0$	$30 \times 3 = 90^0$	$30 \times 3 = 90^0$

(a)



$$\frac{360}{120} = 3$$

(b)

No, we don't know how many students study Urdu at school B.

---

Q4.

Biscuits	Rio	Sooper	Prince
Frequency	5	14	11
Angle (deg)	$5 \times 12 = 60$	$14 \times 12 = 168$	$11 \times 12 = 132$

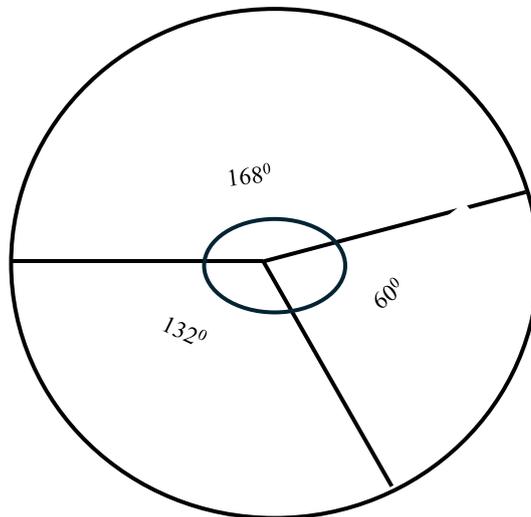
$$5+14+11 = 30$$

$$\frac{360}{30} = 12$$

(a)

Sooper Biscuit

(b)



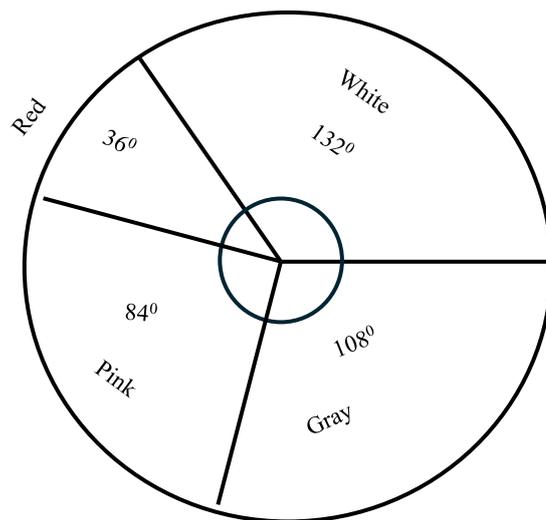
Q5.

Colours	Frequency	Angle
White	22	$22 \times 6 = 132^\circ$
Pink	14	$14 \times 6 = 84^\circ$
Gray	18	$18 \times 6 = 108^\circ$
Red	6	$6 \times 6 = 36^\circ$

(a)

$$\frac{18}{60} \text{ or } \frac{3}{10}$$

(b) Draw an accurate pie chart to show this information.



Q6.

Sports	Frequency	Angle
Cricket	30	$150^{\circ}$
Hockey	20	$20 \times 5 = 100^{\circ}$
Badminton	12	$12 \times 5 = 60^{\circ}$
Table Tennis	10	$10 \times 5 = 50^{\circ}$

(a)

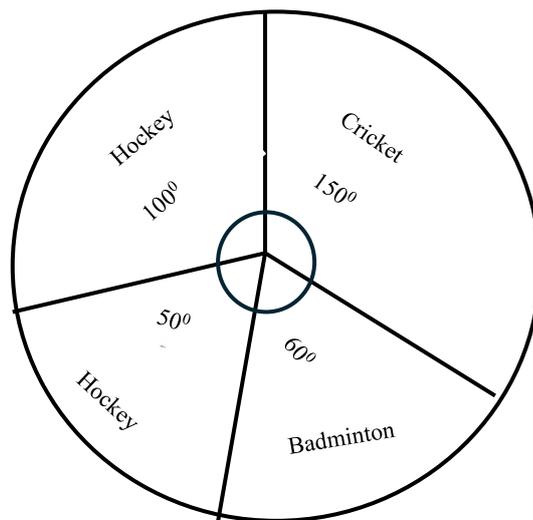
(i)

$$\frac{12}{72} \text{ or } \frac{1}{6}$$

(ii)

$$\frac{60}{72} \text{ or } \frac{5}{6}$$

(b)



Q7.

Social Network	Frequency	Angle
LinkedIn	12	$12 \times 4 = 48$
Twitter	18	$18 \times 4 = 72$
TikTok	20	$20 \times 4 = 80$
Snapchat	40	$40 \times 4 = 160$

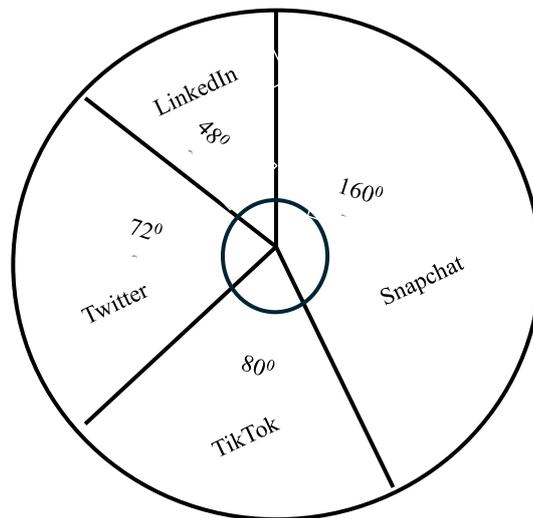
$$\text{Total} = 90$$

$$90 \times 4 = 360$$

(a)

$$\frac{50}{90} \text{ or } \frac{5}{9}$$

(b)



Q8.

TV Channels	Frequency	Angle of Sector
ARY NEWS	180	$90^{\circ}$
GEO NEWS	144	$72^{\circ}$
HUM NEWS	168	$84^{\circ}$
SAMAA NEWS	228	$114^{\circ}$
TOTAL	720	$360^{\circ}$

