

Name: _____

ASM Tuition Academy

PIE CHARTS

Instructions:

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
- there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all you're working out**.

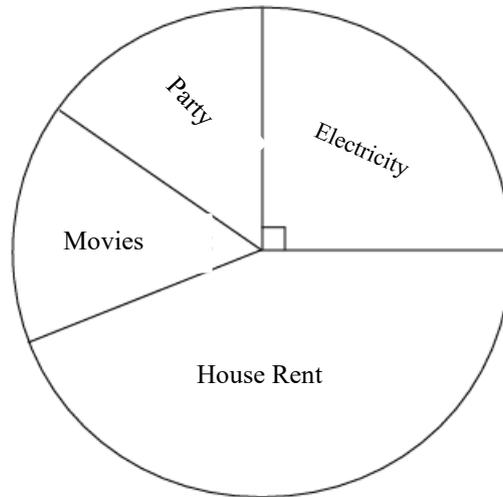
Information:

- The marks for each question are shown in brackets
- use this as a guide as to how much time to spend on each question.

Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

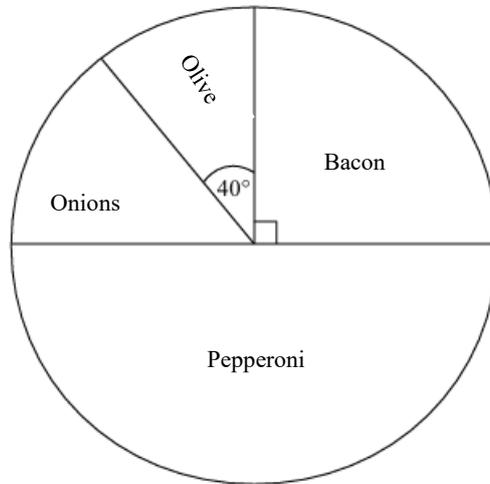
Q1. The pie chart shows information about the money Razzaq spent last month.



- (a) What did Razzaq spend most money on?
- (b) What fraction Razzaq's spending was on electricity? Razzaq spent Rs. 410 on electricity
- (c) How much did Razzaq spend in total?

(Total for question 1 is 4 marks)

Q2. The pie chart shows information about the favourite pizza toppings of a group of teachers.



Use the pie chart to copy and complete the table

Toppings	Frequency	Angle of Sector
Bacon	18	
Pepperoni		
Onions		
Olive		

(Total for question 2 is 4 marks)

Q3. Please do not write on this sheet The table gives information about the languages studied by year 11 students at school A.

Language	Urdu	English	Spanish
Number of Students	60	30	30



John says: “the pie charts show that more year 11 students at school B study Urdu”

(b) Is John, right?

You must explain your answer

(Total for question 3 is 5 marks)

Q4. The table shows some information about the favourite biscuits of some people.

Biscuits	Rio	Sooper	Prince
Frequency	5	14	11

- (a) Which type of biscuit is the mode?
- (b) Draw an accurate pie chart to show this information.

(Total for question 4 is 5 marks)

Q5. The table shows some information about the colours of cars parked in a car park.

Colours	Frequency
White	22
Pink	14
Gray	18
Red	6

- (a) What fraction of cars are gray? Give your answer in its simplest form.
- (b) Draw an accurate pie chart to show this information.

(Total for question 5 is 6 marks)

Q6. The table shows some information about the favourite sport of some students.

Sports	Frequency	Angle
Cricket	30	150°
Hockey	20	
Badminton	12	
Table Tennis	10	

(a) A student is selected at random.

- i) Find the probability their favourite sport is badminton.
- ii) Find the probability their favourite sport is not badminton.

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

(Total for question 6 is 6 marks)

Q7. The table shows some information about 90 people's favourite social network.

Social Network	Frequency
LinkedIn	12
Twitter	18
Tiktok	20
Snapchat	40

(a) One of the people is picked at random. What is the probability they did not pick Snapchat?

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

(Total for question 7 is 6 marks)

Q8. The table shows some information about the favourite television channel of some people.

TV Channels	Frequency	Angle of Sector
ARY NEWS		90°
GEO NEWS	144	
HUM NEWS		
SAMAA NEWS	228	
TOTAL	720	

Draw an accurate pie chart to show this information.

(Total for question 8 is 4 marks)
