Reading a Pie Chart

A.	Choose the correct answer:	
	1. In a pie chart, if a sector is 90°, it represents what fraction of the whole.	
	a) $\frac{1}{2}$	b) $\frac{1}{3}$
	c) $\frac{1}{4}$	d) $\frac{1}{\epsilon}$
	2. If a sector in a pie chart is larger t	5
	a) It represents a smaller quantity	
	b) It represents an equal quantity	
	c) It represents a larger quantity	
	d) It has no meaning	
3. The total angle at the center of a pie chart is always		
	a) 90°	b) 180°
	c) 270°	d) 360°
	4. To find the percentage represented by a sector of 72°, you would calculate	
	a	
	¢	
5. In a pie chart, if a sector is labeled 25%, the central angle is.		d 25%, the central angle is.
	a) 90°	b) 60°
	₹) 45°	d) 30°
В.	2 Write the Missing Terms to Comp	plete the Sentences:
	1. 8 pie chart divides the data into _	parts.
	2. 19 he angle of each sector in a pie cl	hart is proportional to its
	3. A sector representing $\frac{1}{2}$ of the total	I will have an angle of degrees.
	4. In a pie chart, the sum of the angle	es of all sectors equals degrees.
	5. To read a pie chart, one needs and the quantities.	to understand the relationship between the
C.	Figure out the answers to these q	uestions:
	U	as a central angle of 144°, what fraction of the
	total does it represent.	
	2. A pie chart shows the favorite sp 150°. Which sport is most popular	oorts of students with sectors 120°, 90°, and ?
	3. If a sector represents ¹ of the total	data, what is its central angle and percentage?

- 4. The pie chart shows that the sales of Product A are 90°, Product B are 60°, and Product C are 210°. Which product has the least sales?
- 5. Why is it important to know that the whole pie chart represents 360° when reading data?

D. Mark each sentence with a True (✔) or False (X):

1. In a pie chart, each sector's size is unrelated to the quantity it represents.
2. A pie chart representing sales data must have all sectors adding up to 360°
3. A sector with a 180° angle represents half of the total data.
4. Reading a pie chart involves comparing the size of sectors.
5. The sum of percentages of all sectors in a pie chart is always 100%.

E. Challenge yourself with these questions:

- 1. Find the fraction and percentage represented by a sector of 90° in a pie chart.
- 2. How would you determine which category is the largest from a given pie chart?
- 3. A sector representing 120° is shown in a pie chart. What percentage of the total does it represent?
- 4. What should you verify after reading all sectors of a pie chart?
- 5. If two sectors in a pie chart are equal, what can you say about their corresponding quantities.