PEP Grade 6 Math — Unit 7: Pie Charts • Unit Test (Basic)

PEP · Grade 6 · Term 1 · Mathematics · Unit Test · Basic

AI-generated practice paper · original study aid, not an official examination paper · 40 questions · 100 points

Name: _____ Date: _____ Score: _____

Answer all questions. This paper is worth 100 points. Show your working where appropriate.

I. Multiple Choice

1. Which of the following best describes a sector statistical graph?
   A. It shows changes in data over time using lines.
   B. It displays data as parts of a whole using slices.
   C. It compares categories using bars of different heights.
   D. It uses dots to represent individual data points.

2. In a sector graph, what does the entire circle represent?
   A. The average value
   B. The total sum of all data
   C. The median category
   D. The largest category

3. If a sector in a sector graph covers 90 degrees of the circle, what fraction of the whole does it represent?
   A. 1/4
   B. 1/3
   C. 1/2
   D. 3/4

4. Which type of data is most suitable for a sector graph?
   A. Temperature changes during a week
   B. Number of students in each grade at school
   C. Favorite fruits among classmates
   D. Distance traveled by a car each day

5. In a sector graph showing the favorite colors of 80 students, red takes up 90 degrees of the circle. How many students chose red?
   A. 20
   B. 25
   C. 30
   D. 35

6. What is the main purpose of a sector graph?
   A. To show trends over time
   B. To compare quantities between groups
   C. To display how parts relate to the whole
   D. To count exact frequencies

7. Which of the following statements about sector graphs is true?
   A. Each sector must be the same size.
   B. All sectors together form a complete circle.
   C. Sectors can overlap to show more detail.
   D. The center point is always labeled with a number.

8. If a sector graph has four sectors and one sector is 180°, what percentage of the circle does