

Pie Chart

A. Choose the correct answer:

1. A pie chart represents data in the form of

- a) lines
- b) bars
- c) circles
- d) rectangles

2. A pie chart is divided into

- a) triangles
- b) circles
- c) sectors
- d) squares

3. Half of a pie chart represents what fraction

- a) $\frac{1}{4}$
- b) $\frac{1}{2}$
- c) $\frac{3}{4}$
- d) $\frac{2}{3}$

4. If $\frac{1}{4}$ of a pie chart shows students who like apples what fraction shows students who do not like apples

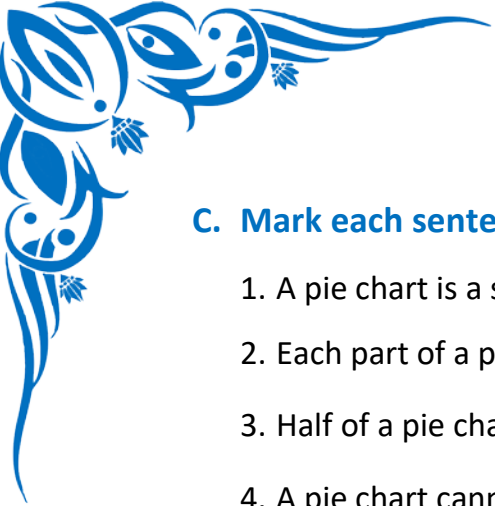
- a) $\frac{1}{2}$
- b) $\frac{1}{3}$
- c) $\frac{1}{4}$
- d) $\frac{3}{4}$

5. Which shape is used in a pie chart

- a) Rectangle
- b) Triangle
- c) Circle
- d) Square

B. Write the Missing Terms to Complete the Sentences:

1. A pie chart is shaped like a _____.
2. A pie chart is divided into _____.
3. $\frac{1}{3}$ of a pie chart represents _____ out of three equal parts.
4. If one sector shows $\frac{1}{5}$ the rest of the chart shows _____.
5. The whole pie chart represents _____ percent.



C. Mark each sentence with a True (✓) or False (X):

1. A pie chart is a square shaped graph. _____
2. Each part of a pie chart is called a sector. _____
3. Half of a pie chart is represented as $\frac{1}{2}$. _____
4. A pie chart cannot show fractions. _____
5. The total of all sectors in a pie chart equals one whole. _____

D. Figure out the answers to these questions:

1. Draw a pie chart to show half of the students like cricket and half like football.
2. If a pie chart shows $\frac{1}{4}$ students liking Maths what fraction shows those who don't?
3. Explain how a pie chart helps in understanding data.
4. In a pie chart showing fruits if $\frac{1}{3}$ is apples $\frac{1}{3}$ is bananas what fraction remains for other fruits?
5. If half the pie chart represents 20 students how many students does the whole pie chart represent?

E. Challenge yourself with these questions:

1. If $\frac{1}{4}$ of a pie chart shows students who walk to school what fraction shows those who do not?
2. A pie chart shows favorite colors $\frac{1}{2}$ blue $\frac{1}{4}$ red What fraction is left for other colors?
3. Explain what the whole pie chart represents.
4. Draw a pie chart dividing it into three equal sectors What fraction is each sector?
5. If a pie chart represents 100 students and $\frac{1}{5}$ like reading how many students like reading?