

Subject: Maths

Class: 5

Topic: Pie Charts and Simple Data Representation

Levels: Basic, Intermediate, Advanced

Level: Basic

1. A pie chart is also known as a _____ graph. (Circle / Square)
2. In a pie chart, the whole circle represents _____ percent (%) of the data.
3. If a pie chart is divided into 2 equal halves, each part represents _____ fraction.
4. Arjun spends half his day sleeping. In a pie chart, this will be a [?] Semicircle | [?] Triangle.
5. True or False: A bigger slice in a pie chart means a higher value. _____
6. If 4 friends share a pizza equally, the pie chart slice for each is _____ degrees (90 / 180).
7. Look at the symbols: ? ? ? ?. If each ? = 5 students, 4 stars represent _____ students.
8. In a chart showing fruit Likings, the 'Mango' slice is the largest. Which fruit is liked MOST? _____
9. A quarter ($\frac{1}{4}$) of a circle is represented by an angle of _____ degrees.
10. If a circle is divided into 4 equal parts, each part is called a _____.

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Level: Intermediate

1. A class has 40 students. If 20 like Cricket, the pie chart slice will be exactly _____ (Half / Quarter).
2. Priya spends ₹ 500 on books and ₹ 500 on toys. Will their slices be equal? _____ (Yes/No)
3. If a pie chart shows $\frac{1}{4}$ th of students like ? (Flowers), what percentage like flowers? _____ %
4. A survey shows: $\frac{1}{2}$ like ? (Sun), $\frac{1}{4}$ like ? (Clouds). Which slice is bigger? _____
5. In a 'Hobby Chart', 50% like Reading, 25% like Singing. The remaining _____ % like Dancing.
6. If 10% of a pie chart is shaded, the angle at the center is _____ degrees. (Hint: 10% of 360)
7. Representing data using pictures like ? or ? is called a _____-graph.
8. Rahul has ₹ 100. He spends ₹ 25 on snacks. What fraction of the pie chart is snacks? _____
9. In a garden, there are 10 Roses and 10 Lilies. In a pie chart, the angle for Roses is _____ degrees.
10. If a full circle represents 60 minutes, a 90° slice represents _____ minutes.

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1. Calculate: If a pie chart shows 3 equal slices, the angle of each slice is _____ degrees (?).
2. In a family budget of ? 40,000, the 'Rent' slice is 90?. How much money is spent on Rent? ? _____
3. A pie chart has 5 slices: 10%, 20%, 30%, 15%. What is the value of the 5th slice? _____ %
4. If ? (pi) relates to circles, and a full circle is 2? radians, what is the angle of half a pie chart? _____
5. A school library has 1200 books. If 'Maths' is a 60° slice, find the number of Maths books: _____
6. A circle is divided into slices in ratio 1:2. The smaller angle is _____ and larger is _____ degrees.
7. In a 'Mode of Transport' chart, ? (Walking) = 1/8. What is the central angle for Walking? _____ ?
8. If the area of a slice is 1/6th of the circle, the angle is $360 / 6 =$ _____ degrees.
9. Convert a 45° slice into a fraction of the whole circle: _____
10. Challenge: If the total value is 720 and a slice is 40, the angle of that slice is _____ degrees.