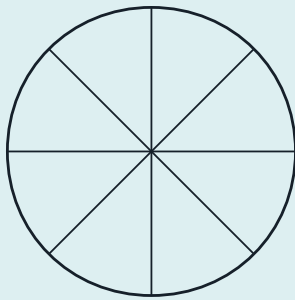


FRUIT SURVEY PIE SLICES

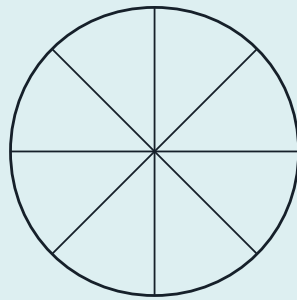
- 1 Add the fruit votes to find the whole: $12 + 6 + 4 + 2 = 24$.
- 2 Apples are 12 out of 24, so work out $12 \div 24 = 1/2$.
- 3 Half the data means the apple slice fills exactly half the circle.
- 4 Bananas are 6 out of 24, so $6 \div 24 = 1/4$ and that slice is a quarter of the pie.

WARM-UP

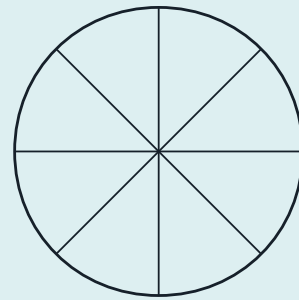
Shade the matching slices on each of the three pie circles.



Circle A



Circle B



Circle C

1. On the first circle shade the apple share for 16 out of 32 votes
2. On the second circle shade the cheese share for 3 out of 8 pizza slices
3. On the third circle shade the fizzy share for 8 out of 20 sweets votes

PRACTICE

- 1 At the food market a favourite-fruit survey got 10 apple votes out of 30 shoppers. What fraction of the pie chart is the apple slice? _____
- 2 In the same fruit survey 9 shoppers chose bananas out of 30. What fraction of the pie should the banana slice fill?
- 3 To label pie-chart slices as percentages you multiply a simple count by 100. What is 5×100 ? _____

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- | | |
|---|---|
| <p>a. The biggest slice in a pie chart shows the category with the most data ☐</p> <p>b. A pie chart slice that covers half the circle stands for half the data ☐</p> | <p>c. A pie chart is split into four equal slices. ☐</p> <p>d. Pie chart slices are different sizes from each other ☐</p> |
|---|---|