Pie charts — first encounter

HOW TO ANSWER TODAY

- **Pie chart.** A full circle = 360°. A segment's angle ÷ 360° gives its fraction; multiply by 360° to go the other way.
  90° ÷ 360° = 1/4 · 3/5 of 360° = 216°

STRETCH PROBLEMS

1. Cian draws a pie chart on the classroom working wall showing the weather over a fortnight. The sunny segment measures **78°** and the cloudy segment measures **146°**, with rainy days making up the rest of the circle. What is the angle of the rainy segment, remembering that the whole circle is **360°**?

   > A pie chart has three segments. One segment is 78° and another is 146°. What is the angle of the third segment (remember the whole circle is 360°)?

2. Mr Ó Briain pinned this week's daily-question results on the noticeboard as a pie chart. **3/5** of the pupils in 5th class chose 'hurling' as their favourite PE activity. The full pie chart shows **360°** in total. What angle covers the hurling segment?

   > In a pie chart of class survey results, 3/5 of pupils chose option A. What angle does that segment cover, out of 360° in total?

3. Ms. Ní Bhriain's 5th class made a pie chart of the books they read during the October reading challenge. The segment for fiction books covers **3/5** of the pie chart. What angle does that segment cover, out of **360°** in total?

   > In a pie chart of class survey results, 3/5 of pupils chose option A. What angle does that segment cover, out of 360° in total?