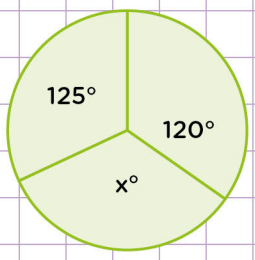
Name: ..... Class: .....

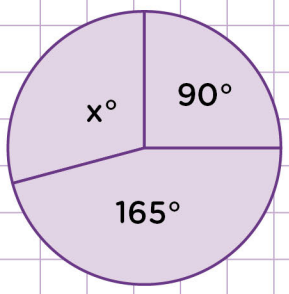
Central angle of circles

Remember that the measure of the central angles in a circle add up to **360°.**

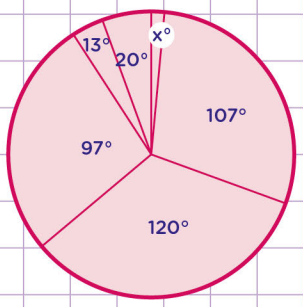
1. Determine the measure of **angle x.**



2. Determine the measure of **angle x.**



3. Determine the measure of **angle x.**



Solution

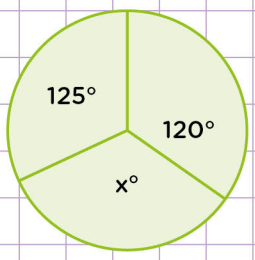
mathskills4kids

Name: ..... Class: .....

Central angle of circles

Remember that the measure of the central angles in a circle add up to **360°**.

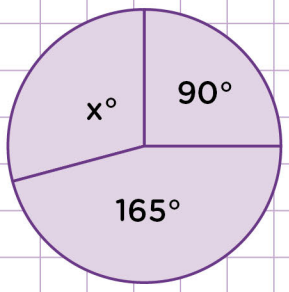
1. Determine the measure of **angle x.**



- **Step 1:** Add together the known angles
  125° + 120° = 245°
- **Step 2:** Subtract the sum from **360°**
  360° - 245° = 115°

→ x = 115°

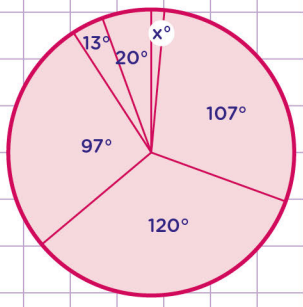
2. Determine the measure of **angle x.**



- **Step 1:** Add together the known angles
  165° + 90° = 255°
- **Step 2:** Subtract the sum from **360°**
  360° - 255° = 105°

→ x = 105°

3. Determine the measure of **angle x.**



- **Step 1:** Add together the known angles
  107° + 13° + 20° + 97° + 120° = 357°
- **Step 2:** Subtract the sum from **360°**
  360° - 357° = 3°

→ x = 3°