# N5 Maths: Arcs and Sectors

## Answers

**Q1** **a)** L = 3.67 cm **b)** L = 5.67 cm **c)** L = 4.71 mm

**d)** L = 6.28 m **e)** L = 8.48 m **f)** L = 3.91 cm

**Q2** **a)** A = 2.57 $cm^2$. **b)** A = 30.2 $mm^2$. **c)** A = 12.8 $cm^2$

**d)** A = 50.4 $cm^2$ **e)** A = 2.99 $cm^2$ **f)** A = 0.487 $m^2$

**Q3** **a)** L = 18.84 cm **b)** L = 31.4 cm **c)** L = 25.12 m

**d)** L = 62.8 m **e)** L = 125.6 cm **f)** L = 6.28 cm

**Q4** **a)** A = 28.26 $cm^2$ **b)** A = 18.84 $cm^2$ **c)** A = 9.42 $cm^2$

**d)** A = 628 $cm^2$ **e)** A = 157 $cm^2$ **f)** A = 15.7 $m^2$

**Q5** **a)** r = 28.6 cm **b)** x = 95.5° **c)** x = 152.8°

**d)** x = 91.7° **e)** r = 2.54 m **f)** r = 12.4 cm

This resource is copyright © Maths.scot, released under a Creative Commons "Attribution, Non-Commercial, No Derivatives" (CC BY-NC-ND 4.0) licence.