

Functional Skills Mathematics

Level 2



Answers 12
Perimeter and Area

Exercise 1

- 1) 12.56 cm 2) 31.4 cm 3) 25.12 cm
4) 37.68 cm 5) 15.072 cm 6) 51.496 cm

Exercise 2

- 1) 12.56 cm² 2) 50.24 cm² 3) 6.1544 cm²
4) 50.24 cm² 5) 254.34 cm² 6) 9.0746 cm²

Exercise 3

- 1) a) 13.8 cm b) 11.18 cm²
2) a) 30 cm b) 32.5 cm²
3) a) 26 cm b) 40 cm²
4) a) 51.496 cm b) 211.1336 cm²

Exercise 4

- 1) a) 8.0384 m² b) 10.048 m
2) a) 31,400 m² b) circumference 628 m

3) $c = 2 \pi r$
 $r = \frac{c}{2 \pi} = \frac{40000}{6.28} = 6369.427$ (to 3 d.p)

$d = 2 r = 12,738.854$ km

Exercise 5

- 1) 84.56 m²
2) 21 m²

Exercise 6

	x	y	z
1)	a) 118.75 cm^2	323.34 cm^2	97.75 cm^2
	b) 222.75 cm^2	484.34 cm^2	141.75 cm^2
	c) 104 cm^2	161 cm^2	44 cm^2
2)	a) 229.4 m^2		
	b) 70.2 m^2		
	c) 159.2 m^2		
3)	a) 134.9 cm^2		
	b) 4.8 cm^2		
	c) 130.1 cm^2		
4)	a) 53.3 m^2		
	b) 11.2 m		
	c) 9.5 m		
	d) 106.4 m^2		
	e) 53.1 m^2		