

Level 3 Maths Revision – Area and perimeter - ANSWERS

A: Area and Perimeter of rectangles

- 1) 32cm^2 2) 24cm 3) $A = 50\text{cm}^2$. $P = 30\text{cm}$
- 4) No, it is exactly 20cm 5) Yes, it is 54cm^2 6) 6.46cm^2
- 7) Rectangle C has the greatest area (30cm^2)
- 8) They all have the same perimeter (24cm)
- 9) Its breadth is 4cm ($10 \times 4 = 40\text{cm}^2$)
- 10a) Its breadth is 5cm b) Its area is 50cm^2
- 11) Area = $6 \times 4 = 24\text{m}^2$ Cost = $24 \times 25 = \text{£}600$
- 12) Perimeter of car park = 140m Length of fence = $140 - (2 \times 5) = 130\text{m}$ Cost = $130 \times 30 = \text{£}3\,900$

B: Area and Perimeter of triangles

- 13) 6cm^2 14) 30cm
- 15) 16cm 16) 12cm^2
- 17) 12cm^2 18) 18cm