

## Workout

### Question 1

- (a)  $45\text{cm}^2$       (b)  $56\text{cm}^2$       (c)  $24\text{cm}^2$       (d)  $45\text{cm}^2$   
(e)  $220\text{cm}^2$     (f)  $250\text{cm}^2$     (g)  $56\text{cm}^2$       (h)  $1000\text{cm}^2$   
(i)  $24\text{m}^2$         (j) 216 sq miles    (k)  $165\text{mm}^2$     (l)  $585\text{cm}^2$

### Question 2

- (a)  $49\text{cm}^2$       (b)  $400\text{cm}^2$       (c)  $81\text{mm}^2$       (d)  $196\text{cm}^2$

### Question 3

- (a)  $22\text{cm}^2$       (b)  $27\text{cm}^2$       (c)  $24.8\text{cm}^2$     (d)  $18\text{cm}^2$   
(e)  $51.3\text{cm}^2$     (f)  $38.86\text{cm}^2$     (g)  $0.27\text{m}^2$       (h)  $0.78\text{km}^2$

### Question 4

- (a)  $0.9\text{m}^2$  (or  $9000\text{cm}^2$ )      (b)  $1.4\text{km}^2$  (or  $1400000\text{m}^2$ )  
(c)  $7\text{m}^2$  (or  $70000\text{cm}^2$ )      (d)  $1.08\text{cm}^2$  (or  $108\text{mm}^2$ )  
(e)  $2.8\text{m}^2$  (or  $28000\text{cm}^2$ )    (f)  $0.4\text{m}^2$  (or  $4000\text{cm}^2$ )  
(g)  $9000\text{cm}^2$  (or  $0.9\text{m}^2$  or  $900000\text{mm}^2$ )

### Question 5

- (a) 8cm      (b) 5cm      (c) 2mm  
(d) 5cm      (e) 60cm     (f) 8km  
(g) 12cm     (h) 16cm     (i) 4.5m  
(j) 37cm     (k) 7cm      (l) 40m

## Apply

Question 1:  $21000\text{m}^2$

Question 2:  $108\text{cm}^2$

Question 3: (L = 30, W = 1) (L = 15cm, W=2cm) (L=6cm, W=5cm)  
(L=60cm, W=0.5cm) etc

Question 4: 20cm

Question 5: Length = 20cm and Width = 4cm

Question 6: Length = 50cm and Width = 2cm

Question 7: 80 minutes

Question 8: 7700m<sup>2</sup> (as the width is 70m)

Question 9: £1960

Question 10: 200 tiles

Question 11: 56 tiles

Question 12: £288