

## Workout

Question 1

- (a)  $50.3\text{cm}^2$                       (b)  $153.9\text{cm}^2$                       (c)  $201.1\text{cm}^2$   
(d)  $314.2\text{cm}^2$                       (e)  $7.1\text{m}^2$                           (f)  $7854\text{cm}^2$   
(g)  $153.9\text{mm}^2$                       (h)  $221.7\text{cm}^2$

Question 2

- (a)  $113.1\text{cm}^2$                       (b)  $706.9\text{cm}^2$                       (c)  $28.3\text{m}^2$   
(d)  $95\text{cm}^2$                           (e)  $63.6\text{cm}^2$                       (f)  $804.2\text{mm}^2$   
(g)  $0.5\text{cm}^2$                         (h)  $1.3\text{m}^2$

Question 3:

- (a)  $254.4\text{cm}^2$                       (b)  $452.4\text{m}^2$                       (c)  $1256.6\text{cm}^2$   
(d)  $0.8\text{km}^2$                         (e)  $19.6$  square yards              (f)  $346.4\text{m}^2$

Question 4:

- (a)  $3.1\text{cm}^2$                         (b)  $113.1\text{cm}^2$                       (c)  $19.6\text{m}^2$   
(d)  $38.5\text{cm}^2$                       (e)  $201.1\text{cm}^2$                       (f)  $11.3\text{cm}^2$   
(g)  $41.4\text{cm}^2$                       (h)  $0.5\text{m}^2$

Question 5:

- (a)  $4\pi\text{ cm}^2$                         (b)  $16\pi\text{ cm}^2$                       (c)  $121\pi\text{ cm}^2$   
(d)  $81\pi\text{ cm}^2$

Question 6:

- (a)  $49\pi\text{ cm}^2$                       (b)  $\pi\text{ cm}^2$                           (c)  $25\pi\text{ cm}^2$   
(d)  $9\pi\text{ cm}^2$                         (e)  $4\pi\text{ cm}^2$

Question 7:

- (a)  $2.52\text{cm}$                         (b)  $4.55\text{cm}$                         (c)  $5.64\text{cm}$   
(d)  $6\text{cm}$

Question 8

- (a)  $22.57\text{cm}$                       (b)  $7.98\text{cm}$                         (c)  $3.57\text{cm}$   
(d)  $8\text{cm}$

## Apply

Question 1:  $6361.725\text{cm}^2$

Question 2:  $28.27\text{cm}^2$

Question 3: Shape B

Question 4:

(a)  $54.94\text{cm}^2$

(b)  $125.66\text{cm}^2$

(c)  $30.63\text{cm}^2$

Question 5:  $22.57\text{cm}$

Question 6:  $286.48\text{cm}^2$

Question 7:  $795.77\text{cm}^2$

Question 8:  $31.7\text{cm}$

Question 9:  $50.13\text{cm}$

Question 10: £122.18

Question 11: 21.46%