

PAGE 125

1.

- (a) $l = 4\text{cm}$
 $w = 3\text{cm}$
 $a = 12\text{cm}^2$
 $p = 14\text{cm}$

- (b) $l = 5\text{cm}$
 $w = 2\text{cm}$
 $a = 10\text{cm}^2$
 $p = 14\text{cm}$

- (c) $l = 3\text{cm}$
 $w = 7\text{cm}$
 $a = 21\text{cm}^2$
 $p = 20\text{cm}$

- (d) $l = 2\text{cm}$
 $w = 3\text{cm}$
 $a = 6\text{cm}^2$
 $p = 10\text{cm}$

1.

- (a) (i) 21cm^2
 (ii) 20cm

- (b) (i) 30cm^2
 (ii) 22cm

- (c) (i) 32cm^2
 (ii) 24cm

- (d) (i) 54cm^2
 (ii) 42cm

- (e) (i) 208cm^2
 (ii) 58cm

- (f) (i) 456cm^2
 (ii) 86cm

- (g) (i) 45.5cm^2
 (ii) 33cm

- (h) (i) 136.8cm^2
 (ii) 52.4cm

- (i) (i) 352.8cm^2
 (ii) 91.6cm

2.

- (a) (i) 18cm
 (ii) 8cm^2

- (b) (i) 18cm
 (ii) 20cm^2

- (c) (i) 18cm
 (ii) 18cm^2

- (d) (i) 18cm
 (ii) 14cm^2

- (e) Not always!

PAGE 126

- (a) 55cm^2
 (b) 58cm^2
 (c) 84cm^2
 (d) 111cm^2
 (e) 245cm^2
 Yes

Challenge: €202.72

PAGE 127

1.

- (a) 6
 (b) 9cm^2
 (c) 54cm^2

2. 150cm^2

3.

- (a) 24cm^2
 (b) 96cm^2
 (c) 294cm^2
 (d) 486cm^2
 (e) 37.5cm^2

4.

- (a) 6
 (b) $2 \times 3 = 6\text{cm}^2$
 (c) $5 \times 3 = 15\text{cm}^2$
 (d) $2 \times 5 = 10\text{cm}^2$
 (e) 62cm^2

5.

- (a) 108cm^2
 (b) 166cm^2

6.

- (a) 104cm^2
 (b) 166cm^2
 (c) 48cm^2

Challenge: 6cm

PAGE 128

1.

- (a) $30\text{m}; 36\text{m}^2$
 (b) $28\text{m}; 48\text{m}^2$
 (c) $30\text{m}; 42\text{m}^2$
 (d) $24\text{m}; 27\text{m}^2$

2.

- (a) 153m^2
 (b) 52m
 3. €176.15
 4. €915.20
 5. €375.84

PAGE 129

1.

- (a) (i) 2m^2
 (ii) 8.7m^2
 (iii) 6.9m^2
 (iv) 3.86m^2
 (v) 1.765m^2
 (vi) 2.349m^2

- (b) (i) $30,000\text{cm}^2$
 (ii) $70,000\text{cm}^2$
 (iii) $90,000\text{cm}^2$
 (iv) $13,000\text{cm}^2$
 (v) $26,000\text{cm}^2$
 (vi) $64,000\text{cm}^2$
 (vii) $39,800\text{cm}^2$
 (viii) $76,100\text{cm}^2$

2.

- (a) (i) 3 ares
 (ii) 7 ares
 (iii) 1.3 ares
 (iv) 10 ares
 (v) 19 ares
 (vi) 17.4 ares
 (vii) 28.78 ares
 (viii) 37.81 ares
 (ix) 50.85 ares

- (b) (i) 200m^2
 (ii) 500m^2
 (iii) 900m^2
 (iv) $1,300\text{m}^2$
 (v) $2,400\text{m}^2$
 (vi) 690m^2
 (vii) 732m^2
 (viii) $1,692\text{m}^2$
 (ix) $2,073\text{m}^2$

3.

- (a) (i) $20,000\text{m}^2$
 (ii) $60,000\text{m}^2$
 (iii) $25,000\text{m}^2$
 (iv) $32,600\text{m}^2$
 (v) $49,300\text{m}^2$
 (vi) $39,760\text{m}^2$

- (b) (i) 2h
 (ii) 8h
 (iii) 10h
 (iv) 11h
 (v) 19.5h
 (vi) 23.6h
 (vii) 28.2h
 (viii) 29.47h
 (ix) 37.62h

- (c) (i) 300 ares
 (ii) 700 ares
 (iii) 1,400 ares
 (iv) 420 ares
 (v) 1930 ares
 (vi) 2243 ares

PAGE 130

- 1.** (i) m^2 ; (a) (f) (h)
 (ii) ares (b) (e) (i)
 (iii) hectares (c) (d) (g) (j)

2.

- (a) 200m^2 , 2 ares
 (b) 1500m^2 , 15 ares
 (c) 1400m^2 , 14 ares
 (d) 3400m^2 , 34 ares
 (e) 30m, 6 ares
 (f) 70m; 1400m^2
 (g) 25m; 7.5 ares
 (h) 80m; 3200m^2

3.

- (a) (i) $26,100\text{m}^2$
 (ii) 261 ares
 (iii) 2.61h
 (b) (i) $39,500\text{m}^2$
 (ii) 395 ares
 (iii) 3.95h
 (c) (i) $88,450\text{m}^2$
 (ii) 884.5 ares
 (iii) 8.845h
 (d) (i) $92,900\text{m}^2$
 (ii) 929 ares
 (iii) 9.29h

WEEK 28

Monday

1. 4
2. 0.625
3. 1
4. 0
5. 27
6. 60
7. 9.1
8. 0.025
9. ----
10. 12.6
11. 180
12. ÷
13. 6
14. 30m²
15. 11
16. 240
17. 21:15
18. €447.50

Tuesday

1. hexagonal pyramid
2. 0
3. 2
4. 8
5. 75
6. 3.02
7. 12
8. ----
9. 31.2
10. 18cm²
11. 30km
12. 5
13. 1 in 2
14. 0.035
15. x
16. 39
17. €54.60
18. 109.20

Wednesday

1. obtuse
2. 360°
3. 2
4. 1 in 2
5. 8
6. 10
7. $\frac{1}{10}$
8. $\frac{3}{8}$
9. 0
10. €17.50
11. 11
12. 9
13. €4.50
14. 69
15. 1, 3, 9, 27
16. 2.5l
17. 12.54m
18. 560

Thursday

1. 9
2. 5.8
3. 121
4. 720
5. 6.5, 6 $\frac{1}{10}$, 5.6, 5 $\frac{1}{4}$
6. 29.3
7. €0.55
8. cylinder
9. 3m²
10. 0
11. 60

12. 122,337
13. $\frac{1}{8}$
14. 3
15. 8
16. 12 tonnes
17. 288
18. €2,016

Last Weeks Test.

WEEK 27 – TEST

1. 780
2. 24
3. 4
4. 60°
5. 9
6. 64
7. 15.2
8. $\frac{11}{25}$
9. 36cm
10. 45:60:75
11. parallelogram
12. 10,100.91
13. 175km
14. 8
15. 4.6
16. 11
17. €35
18. 56cm²
19. 1cm:10m
20. 3hrs 13mins

Problems

21. 17
22. 43.8l
23. 10
24. 105
25. 50km/hr