

# School Certificate Mathematics 2006

## Quick Answers

### Disclaimer

These answers are intended as a quick guide only. To save space there are no worked solutions or diagrams. For greater detail please refer to fully worked solutions.

### Section 1

1. 10.59
2.  $\frac{12}{13}$
3. \$250
4. 6
6. \$35.
7. 160.
8. 5%,  $\frac{1}{5}$ , 0.5, 5.
9. 14 h 46 min.
10. 5 minutes.
11.  $\frac{5}{6}$
12. 5 units.
14. 3.
15. 6 cm and 12 cm.
16. Triangular Prism.
17. 84 units<sup>3</sup>.
18. 125.
19. 80 seconds.
20. 2 kg, 4 kg, 5 kg, 5 kg.
21. \$420.
22.
 
$$2^2 \times 2^3 = 2 \times 2 \times 2 \times 2 \times 2$$

$$= 2^5$$
23. (7,6).
24.  $9.6 \times 10^6$ .

### Section 2 – Part A

26	A
27	A
28	A
29	C
30	D
31	B
32	C
33	D
34	A
35	D
36	B
37	D
38	D
39	A
40	B
41	D
42	B
43	C
44	A
45	B
46	C
47	A
48	C
49	B
50	B
51	D
52	B
53	A
54	C
55	D
56	B
57	A
58	A
59	C
60	D
61	B
62	C
63	C
64	D
65	D
66	B
67	A
68	C
69	C
70	B
71	C
72	D
73	A
74	C
75	A
76	a,b,c
77	a,d
78	c,d
79	c
80	a,d

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**Section 2 – Part B**

Question 81

- (a) \$1200.
- (b) \$840.
- (c) \$5640.
- (d) Donna's old yearly pay, including holiday loading was \$63 240. Now she will earn \$63 398.40.

Question 82

- (a) 4.5
- (c) (2,6)
- (d) 9 units<sup>2</sup>.

Question 83

- (a) 22 cm.
- (c) 30.61 cm<sup>2</sup>.
- (d) 8 cm.

Question 84

- (b) 92 metres.
- (c)  $BC \approx 77.1$  m.  
 $CD \approx 154.3$  m.  
Angle of elevation from  $D$  to  $A$  is  $\approx 31^\circ$ .  
  
So Bruce is incorrect.