

School Certificate Mathematics 2001

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. 4800.
2. \$2.95
3. 19 000.
4. 175.
5. 9.
6. 29.
7. All angles equal 60° OR All sides equal. (other answers may also be valid).
8. \$9.90
10. $2x + 8$.
11. 450 g.
13. \$2000.
14. 1, 2, 3 or 4.
15. $3 \times 10^{-2} = 0.03$
16. 3 minutes 40 seconds.
17. 50.
19. 34 (or 29 more).
20. $85^2 = 80 \times 90 + 25 = 7225$.
22. $\frac{95}{100} = \frac{19}{20}$ OR 0.95 OR 95%.
23. 5.
24. \$400.

Section 2 – Part A

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

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Section 2 – Part B

Question 81

- (a) 20.
- (b) $\frac{8}{20}$ OR $\frac{2}{5}$.
- (c) $\frac{3}{20}$.
- (d) (ii) 60.

Question 82

- (a) 54 people.
- (b) (i)
 $(5 \times \$10) + (3 \times \$12) + (54 \times \$2) + (54 \times \$15)$
- (ii) \$1004.
- (c) 6 large tables.

Question 83

- (a) 52.
- (b) 6 rows.
- (c) 156 cm.
- (d) $\frac{3(2n+1)}{25}$ (or equivalent).

Question 84

- (a) x^2 .
- (b) $\frac{x^2}{4}$.
- (c) $\frac{x^2}{8}$.
- (d) (i) $\frac{5x^2}{8}$.
- (ii) $\frac{3}{8}$.