* 9 M E 1 *

9	M	E	1	(	A	)

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Education Bureau
Territory-wide System Assessment 2010
Secondary 3
Mathematics
ANSWER BOOKLET

INSTRUCTIONS

1. Write your School Code, Class and Class Number in the boxes provided on this page.
2. Stick barcode labels in the spaces provided on page 1 and page 3.
3. The time allowed is 65 minutes.
4. Write ALL your answers in the spaces provided in this ANSWER BOOKLET.
5. Do not write in the margins.
6. Unless otherwise specified, numerical answers should be either exact or correct to 3 significant figures.
7. The use of HKEAA approved calculators is permitted.
8. Rough work should be done on the rough work sheet provided.

School Code				Class	3		Class No.		

Write one capital letter in this box.

SECTION A: Multiple Choice Questions

MC Questions – Blacken the circle under the correct answer with an **HB pencil**. For example :

A	B	C	D
●	○	○	○

	A	B	C	D
1.	○	○	○	○
2.	○	○	○	○
3.	○	○	○	○
4.	○	○	○	○
5.	○	○	○	○
6.	○	○	○	○
7.	○	○	○	○
8.	○	○	○	○
9.	○	○	○	○
10.	○	○	○	○

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	A	B	C	D
11.	○	○	○	○
12.	○	○	○	○
13.	○	○	○	○
14.	○	○	○	○
15.	○	○	○	○
16.	○	○	○	○
17.	○	○	○	○
18.	○	○	○	○
19.	○	○	○	○
20.	○	○	○	○

SECTION B: Write your answers in the spaces provided. Working need not be shown.

21. (i) _____°C (ii) _____°C

22. $(-2)[(-6)+(-3)(4)]$ = _____

23. Circle the correct answers: (i) Exact value / Estimated value

(ii) Exact value / Estimated value

24. A = _____

25. Michael should use _____ sticks in the 5th figure.

26. $4x^2-4x+1$ = _____

27. $x^2-7x+10$ = _____

28. x = _____

29. $\frac{3xy}{x^2}-\frac{3y}{2x}$ = _____

30. x = _____

31. The solution of the inequality $3x+1\geq 10$ is _____ .

32. The angle between the plane VAB and the plane $ABCD$ is _____ .

33. The cross-section of the cylinder:

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34. The order of rotational symmetry is _____ .

35. x = _____

36. ANY TWO of the REMAINING planes of reflectional symmetry of the cube in Figure 1 are _____ and _____ .

37. _____

38. The coordinates of A' are (_____ , _____) .

39. θ = _____ (correct to the nearest 0.1°)

40. The horizontal distance AC is _____m .

41. Circle the correct answers: (i) Discrete data / Continuous data
(ii) Discrete data / Continuous data

42. The arithmetic mean of the monthly profits is $ _____ .

43. The weighted mean mark of Ben is _____ .

SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.

44.

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Go on to the next page

45.

46.

47.

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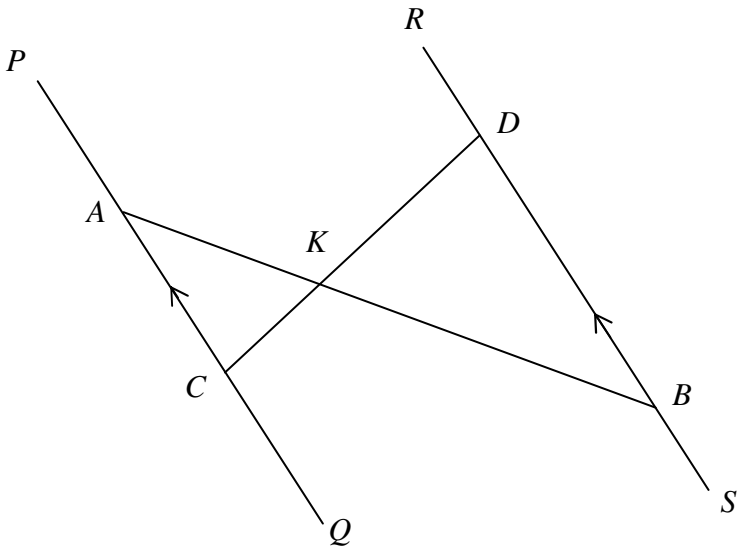
48.



49.

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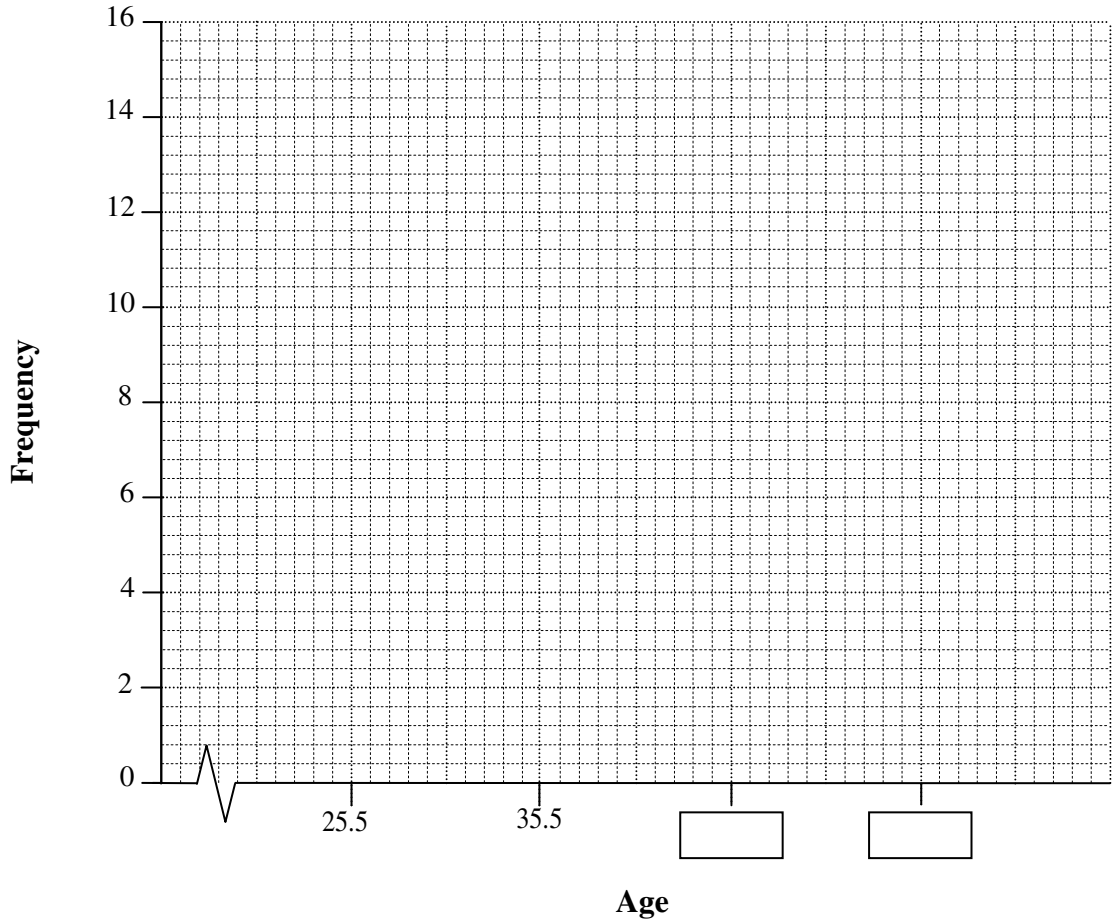
50.

The ages of 40 staff in Tai Tai Fast Food Shop



51. The number of gifts that can be bought by Terence is _____ .

Reason :

END OF PAPER

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