

9	M	E	3	(A)
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Education Bureau
Territory-wide System Assessment 2013
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.
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**School
Code**

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Class

3	
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**Class
No.**

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↑
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 :

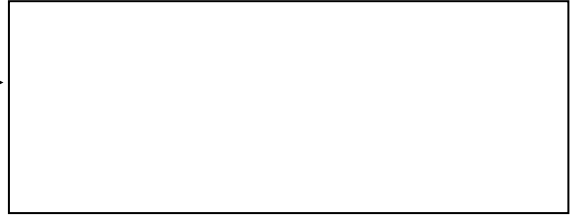
A B C D
● ○ ○ ○

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

Please do not write in the margin.

Please do not write in the margin.

Please stick the barcode label in the box. →



Please do not write in the margin.

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

Please do not write in the margin.

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

21. $A =$ _____

$B =$ _____

$C =$ _____

22. _____ m

23. The number of medals won by Germany was _____ .

24. $h =$ _____

25. The value of the 7th term of the sequence is _____ .

26. _____

27. _____

28. _____

29. _____

30. $S =$ _____

31. _____

32. The total surface area of the cuboid is _____ cm^2 .

33. _____

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Please do not write in the margin.

Please do not write in the margin.

34. _____

35. $k =$ _____

36. $x =$ _____

37. _____

38. The area of the figure $ABCDEF$ is _____ sq. units.

39. $\theta =$ _____

40. The vertical distance AC is _____ m.

41. The modal class of the lifespan of the 50 batteries is _____ h – _____ h.

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

42.

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Please do not write in the margin.


43.



44.



45.



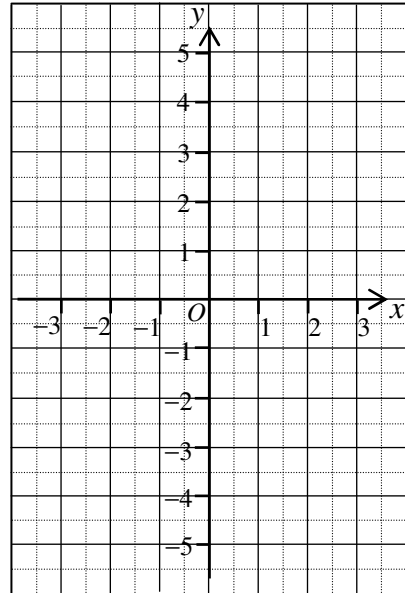
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46. (a) There are _____ students in 3B.
(b) The median of the test marks is _____ .
(c) The required percentage is _____ %.

47. $y = 2x - 1$

x	-2	0	2
y			3



48.

Please do not write in the margin.

Please do not write in the margin.

49.

50.

Explanation:

∴ Jacky * had / did not have enough money to pay for the items.
(*circle the correct answer)

Please do not write in the margin.

END OF PAPER