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Education Bureau
Territory-wide System Assessment 2011
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

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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 :

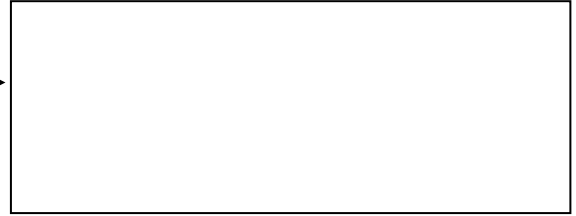
A B C D
● ○ ○ ○

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
 ○ ○ ○ ○

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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. The amount is \$ _____ .

23. The diameter of the cross-section of an optical fibre is about _____ m.

24. Figure n is formed by _____ dots.

25. $n =$ _____

26. $-2x(-3x+6y) =$ _____

27. $6x^3 - 5x^2 - 3x + 2 =$ _____

28. _____

29. $(3x+5)^2 =$ _____

30. $a =$ _____

31. The curved surface area of the cone is _____ cm^2 .

32. _____

33. The radius of the circle is _____ cm.

34. _____

35. (a) $x =$ _____

(b) $y =$ _____

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Please do not write in the margin.

Please do not write in the margin.

36. _____

37. The angle between the inclined plane $ABHE$ and the horizontal plane $ABCD$ is _____.

38. $x =$ _____

39. $x =$ _____

40. $\theta =$ _____

41. The weighted mean mark that David got is _____.

42. () \rightarrow () \rightarrow () \rightarrow ()

43. The mean training hours of the members for the last week is _____.

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

44.

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Please do not write in the margin.

45.

Table 1	
Working hours	Frequency
1-10	1
11-20	
21-30	
31-40	
41-50	
51-60	

Table 2	
Working hours	Frequency
1-15	
16-30	
31-45	
46-60	

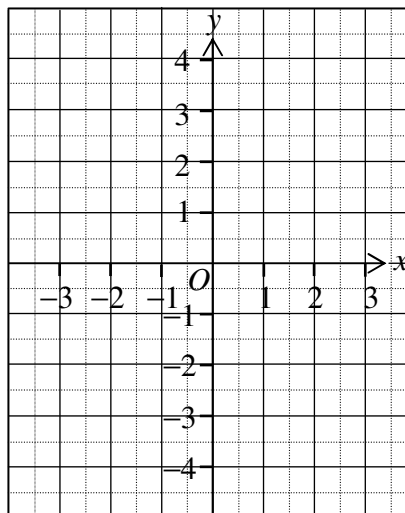
46.

47.

Please do not write in the margin.

48. $x - y = 1$

x	-2	0	2
y			1



49.

Blank writing area for question 49 with horizontal dashed lines.

50.

Blank writing area for question 50 with horizontal dashed lines.

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Please do not write in the margin.

Please do not write in the margin.

51.

Lined area for question 51 with 11 horizontal dashed lines.

52.

Explanation:
Lined area for question 52 with 11 horizontal dashed lines.
 \therefore Jack's estimation is * reasonable / not reasonable . (* circle the correct answer)

Please do not write in the margin.

END OF PAPER