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Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2014
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

○ ○ ○ ○

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. (i) _____ kg represents the weight of father is unchanged.
(ii) _____ kg represents the weight of mother has decreased by 4 kg.

22. _____ km

23. The number of female clerks in the company is _____.

24. $S =$ _____

25. _____

26. _____

27. _____

28. _____

29. _____

30. i. $\frac{5}{7}$ $\frac{5}{6}$

ii. -0.88 -8.8

31. _____

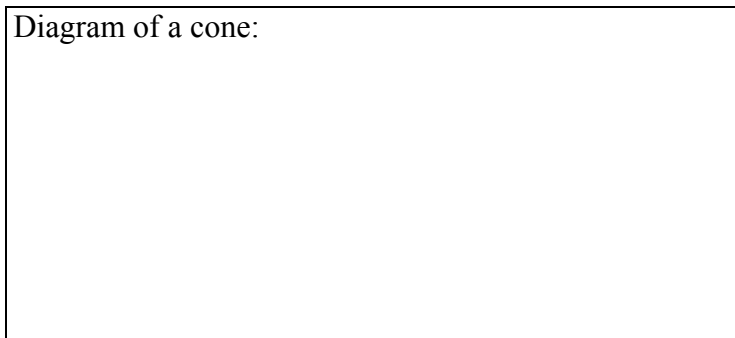
32. $x =$ _____

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

33. Diagram of a cone:



34. (a) $x =$ _____ (b) $y =$ _____

35. $x =$ _____

36. _____

37. _____

38. The coordinates of point ***P*** are (_____ , _____).

39. $\theta =$ _____

40. () $\rightarrow$ () $\rightarrow$ () $\rightarrow$ ()

41. The modal class of the time for the 50 athletes to finish the race is
_____ min – _____ min.

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.

Handwriting practice area for problem 43, featuring ten horizontal dashed lines.

44.

Handwriting practice area for problem 44, featuring ten horizontal dashed lines.

45.

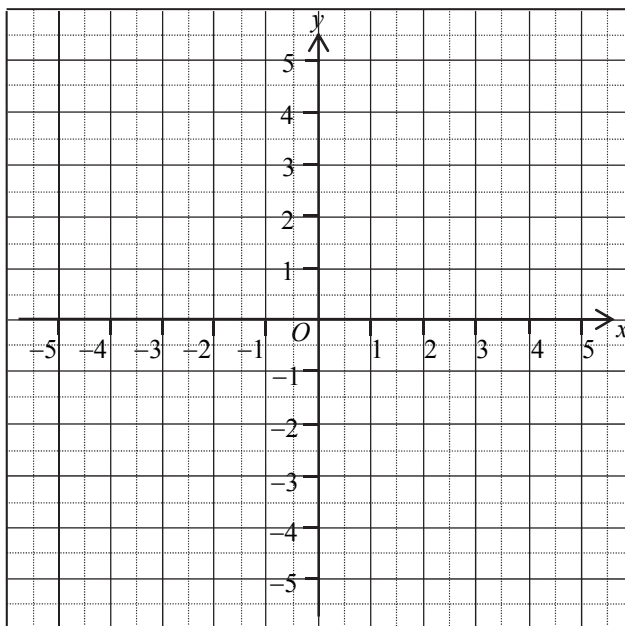
Handwriting practice area for problem 45, featuring ten horizontal dashed lines.

Please do not write in the margin.

Please do not write in the margin.

46. $2x + y - 2 = 0$

x	-1	0	3
y		2	



47. Explanation:

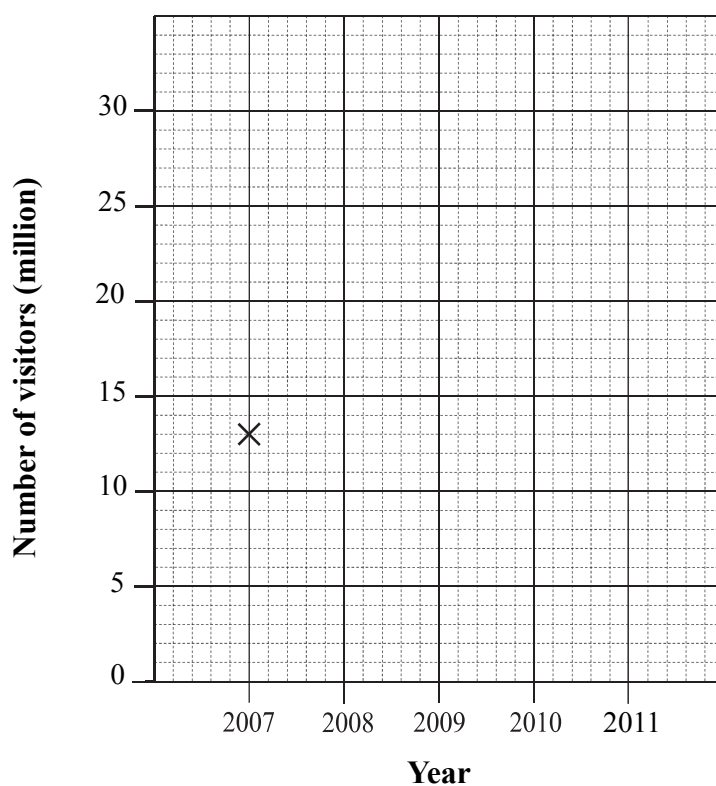
$\therefore$ Miss Lee * can / cannot join the lucky draw. (*circle the correct answer)

Please do not write in the margin.

48.

49.

The number of visitors of a country from 2007 to 2011



50.

(a)

	T	O	Y
B	B T		B Y
O		O O	
Y	Y T	Y O	

(b) The probability that the two letters chosen are the same = _____

END OF PAPER