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Please stick the barcode label in the box

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
 ○ ○ ○ ○

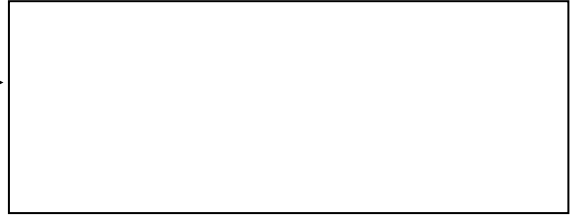
9. A B C D
 ○ ○ ○ ○

10. A B C D
 ○ ○ ○ ○

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Please stick the barcode label in the box →



Please do not write in the margin.

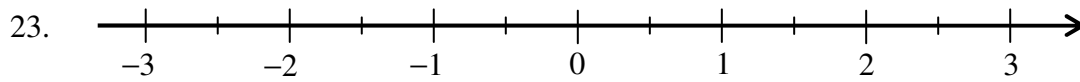
- 11. A B C D
- 12. A B C D
- 13. A B C D
- 14. A B C D
- 15. A B C D
- 16. A B C D
- 17. A B C D
- 18. A B C D
- 19. A B C D
- 20. A B C D

Please do not write in the margin.

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

21. _____

22. _____



24. *Circle the correct answers: (i) *Ratio / Rate

(ii) *Ratio / Rate

25. $n =$ _____

26. $x =$ _____, $y =$ _____

27. The value of the 5th term of the sequence is _____.

28. $(x^2 + 4x) + (x - 4x^2) =$ _____

29. $9x^2 + 12x + 4 =$ _____

30. $x =$ _____

31. _____

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

33. The volume of the sphere is _____ cm^3 .

34. _____

35. _____

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36. $x =$ _____

37. $x =$ _____

38. $x =$ _____

39. Slope of L is _____ .

40. *Circle the correct answer: (1) * angle of depression / angle of elevation

(2) * 64° / 70° / 26° / 20°

41. Arithmetic mean of the inflation rates = _____ %

Median of the inflation rates = _____ %

42. The modal class of the weights of these 50 newborn babies is

_____ kg — _____ kg.

43. _____

SECTION C: Answer in the spaces provided.

All working and conclusions must be clearly shown.

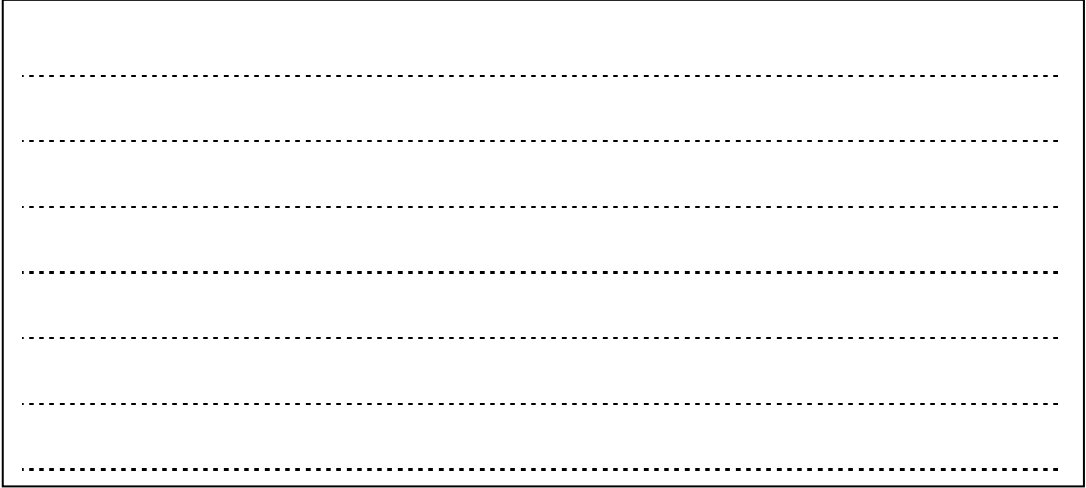
44.

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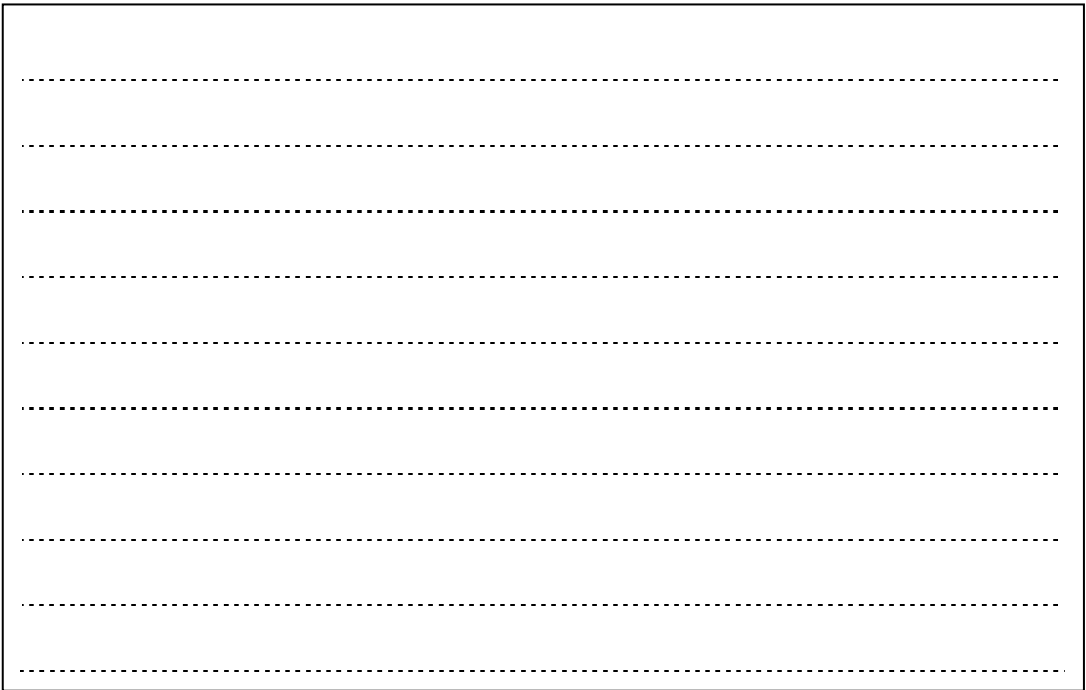
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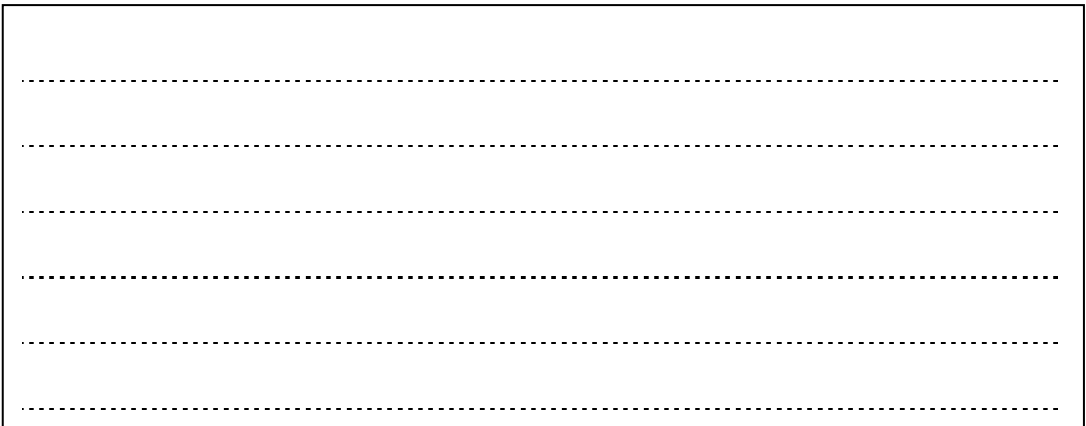
45.



46.



47.

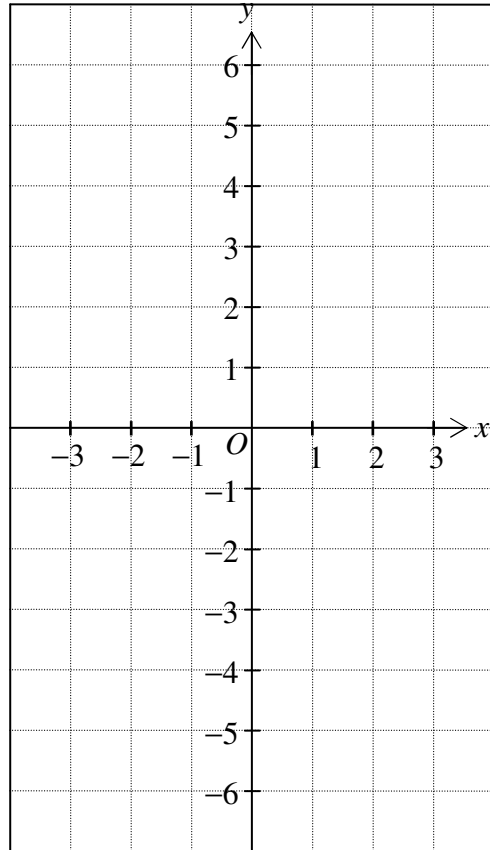


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48. $y - 3 = 0$

x	-2	0	2
y		3	



49.

A large rectangular box containing ten horizontal dashed lines for writing.

Please do not write in the margin.

