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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.
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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

○ ○ ○ ○

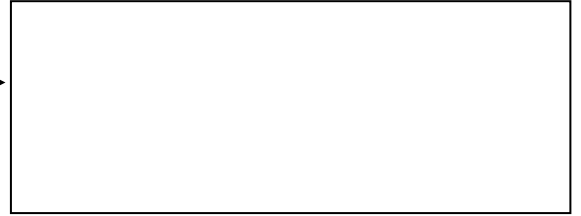
10. A B C D

○ ○ ○ ○

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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

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

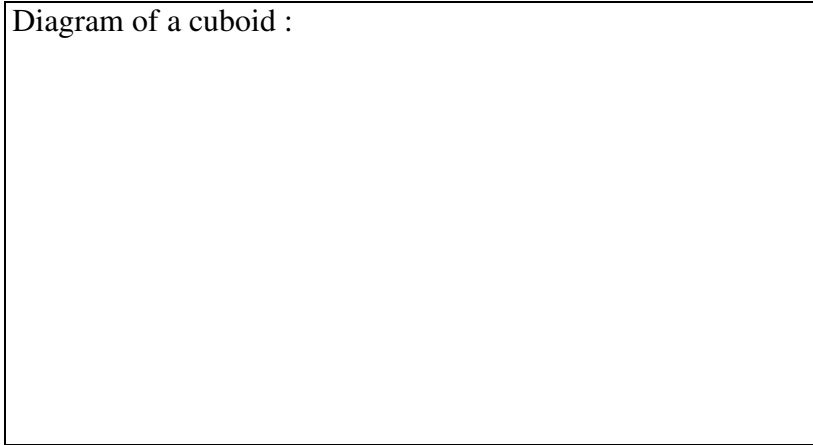
21. (i) _____ °C (ii) _____ °C
22. $(-2)[(-6)+(-3)(4)] =$ _____
23. The percentage increase of the price is _____ % .
24. Joseph gets _____ banknotes.
25. 80, -40, 20, -10, _____ , _____ , ...
26. The degree of the polynomial is _____ .
27. $9ab^2 - 15a^2b =$ _____
28. _____
29. $(x + 2y)(x - 2y) =$ _____
30. $x =$ _____
31. The solution of the inequality $3x + 1 \geq 10$ is _____ .
32. The height of the cylinder is _____ cm.
33. Circle the correct answers: (i) volume / surface area / total sum of lengths
(ii) volume / surface area / total sum of lengths

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34. Diagram of a cuboid :



35. _____

36. $\angle BCD =$ _____

37. The length of DF is _____ cm.

38. $x =$ _____

39. The area of parallelogram $ABCD$ is _____ sq. units.

40. The horizontal distance AC is _____ m .

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

(ii) Discrete data / Continuous data

42. (a) At _____, the air temperature of Shatin was the lowest.

(b) The difference between the lowest and the highest temperature was _____ °C.

(c) At _____, Shatin had the biggest increase in temperature compared to the temperature one hour before.

43. The mode is _____ .

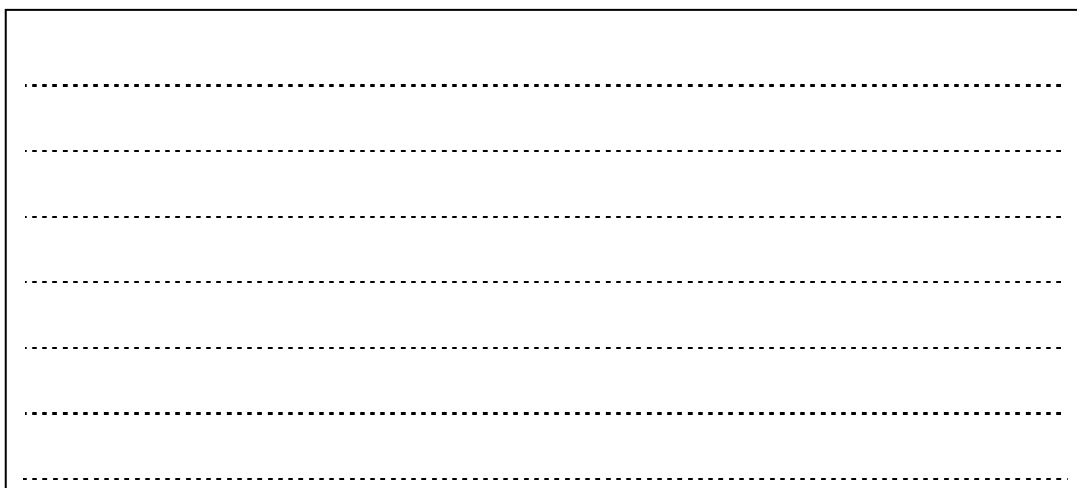
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SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.

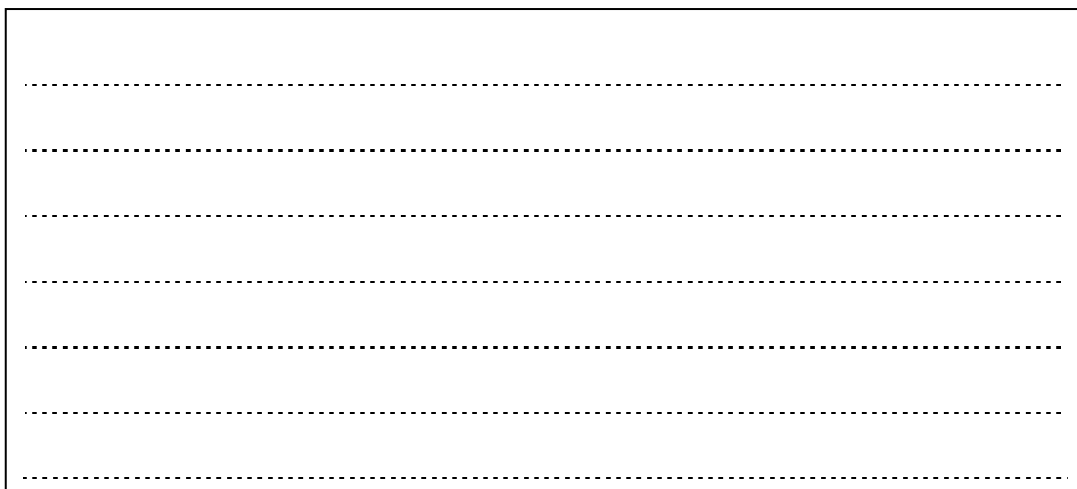
44.



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46.

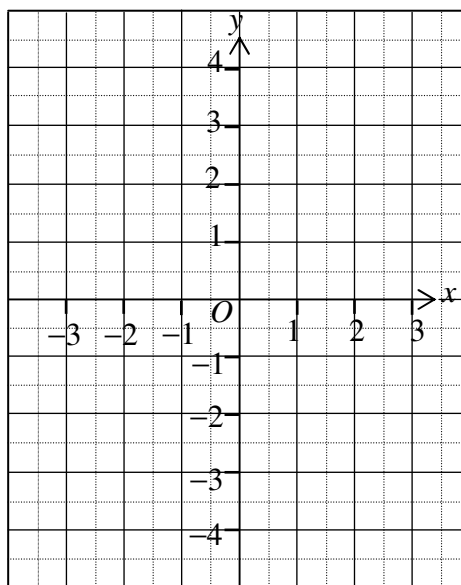


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47. $y = \frac{2-x}{2}$

x	-2	0	2
y		1	



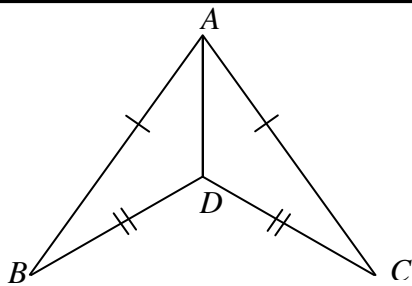
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48.

49.

Please do not write in the margin.

50.



51.

Table 1	
Number of books borrowed	Frequency
1 – 8	4
9 – 16	
17 – 24	
25 – 32	
33 – 40	
41 – 48	

Table 2	
Number of books borrowed	Frequency
1 – 12	
13 – 24	
25 – 36	
37 – 48	

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

Reason:

END OF PAPER

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