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Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2017
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

S			
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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.

Floor	Answer
Example : B1	-1
Example : 2/F	+2
(i) 3/F	(i) _____
(ii) B2	(ii) _____

22.

23.

$l =$ _____

24.

25.

The coefficient of y is _____ .

26.

27.

$x =$ _____

28.

29.

$P =$ _____

30.

31.

The volume of the sphere is _____ cm^3 .

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Please do not write in the margin.

Please do not write in the margin.

32. _____

33. (a) $x =$ _____

(b) $y =$ _____

34. $x =$ _____

35. _____

36. The coordinates of P' are (_____ , _____).

37. $x =$ _____

38.

Table 1	
Number of multiple choice questions answered correctly	Frequency
1 – 15	
16 – 30	7
31 – 45	

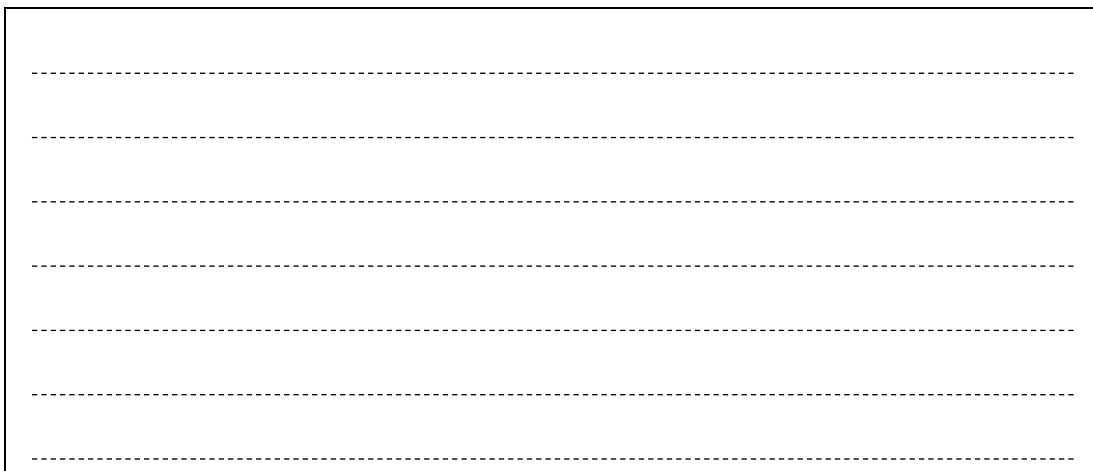
Table 2	
Number of multiple choice questions answered correctly	Frequency
1 – 9	
10 – 18	5
19 – 27	
28 – 36	
37 – 45	2

39. The weighted mean mark of Ivy is _____ .

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

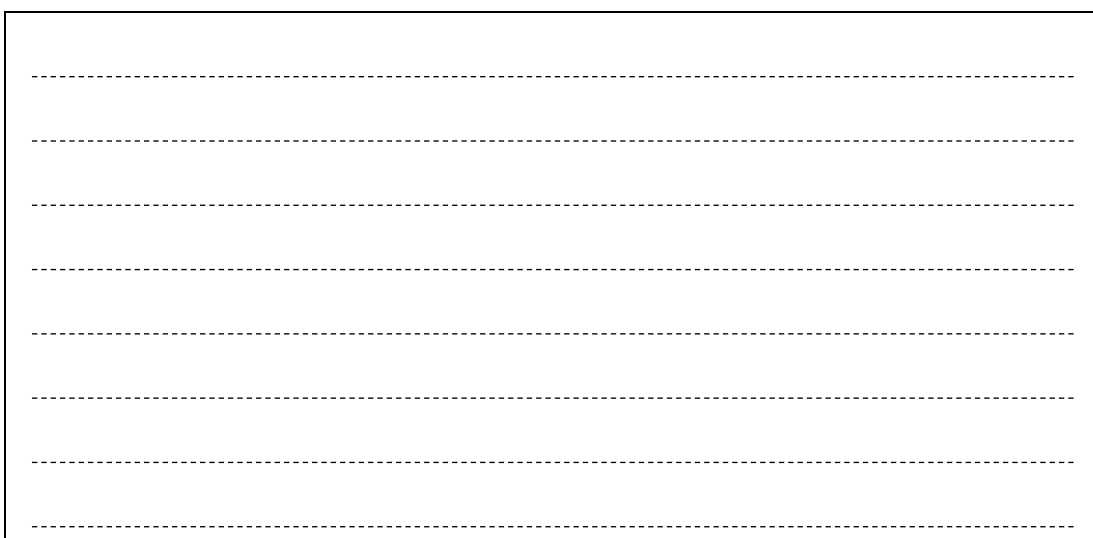
40.



41.



42.



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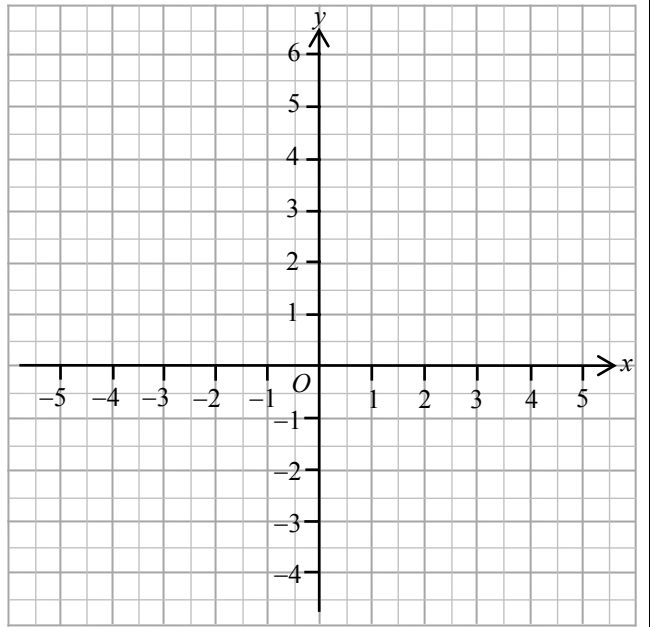
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43.

44.

$$3x + 2y - 6 = 0$$

x	-2	0	4
y	6		



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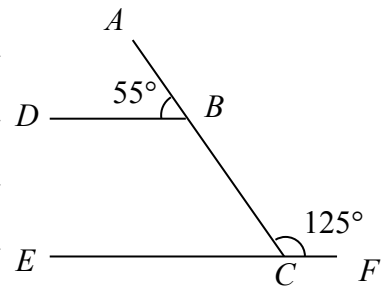
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45. (a)

		Units digit		
		3	6	8
Tens digit	3	33	36	
	6			68
	8		86	88

(b) The probability that the two-digit number formed is a multiple of 9 = _____

46.



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47.

END OF PAPER