



9	M	E	4	(	A	)
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Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2021
Secondary 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. 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

☐ ☐ ☐ ☐

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Please do not write in the margin.

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

21. _____

22. _____

23. $r =$ _____

24. _____

25. _____

26. _____

27. $x =$ _____

28. _____

29. _____

30. _____

Please do not write in the margin.

Please do not write in the margin.

31. The radius of the circle is _____ cm.
32. The number of axes of symmetry of Figure A = _____
The number of axes of symmetry of Figure B = _____
33. k = _____
34. _____
35. x = _____
36. θ = _____
37. () $\rightarrow$ () $\rightarrow$ () $\rightarrow$ ()
38. (a) There were _____ day(s) that the concentration of nitrogen dioxide was higher than $40 \mu\text{g}/\text{m}^3$ last week.
(b) The concentration of nitrogen dioxide from _____ to _____ increased most last week.
(c) The difference in the concentration of nitrogen dioxide recorded between Friday and Saturday was _____ $\mu\text{g}/\text{m}^3$.
39. Mean = _____
Median = _____

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

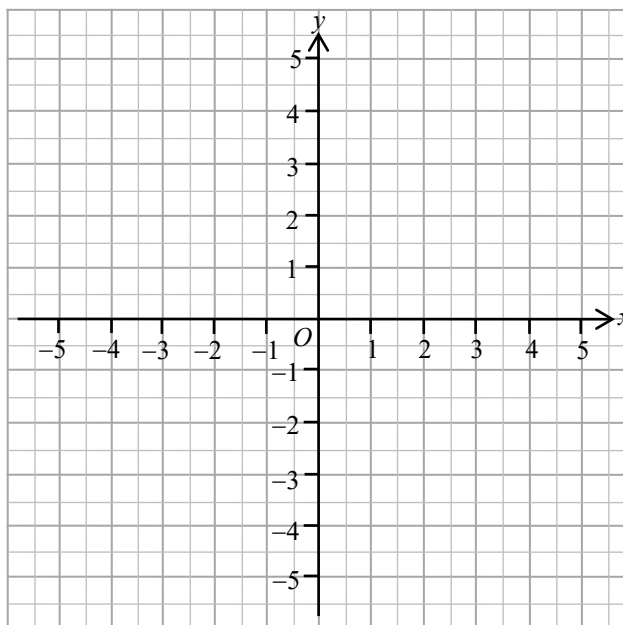
40.

41.

42.

$$y = \frac{x}{4} - 1$$

x	-4	0	4
y		-1	



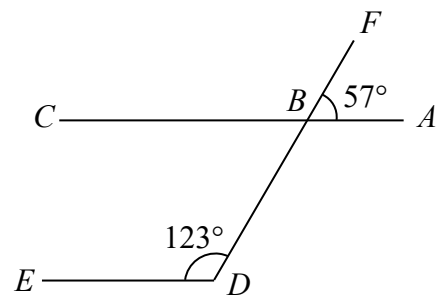
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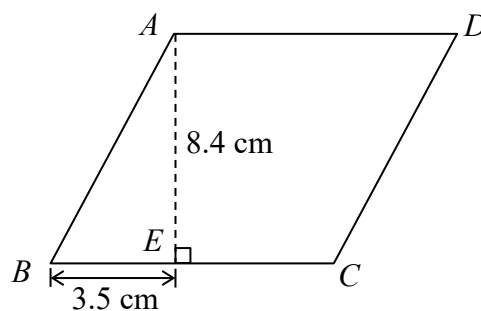
43.

44.

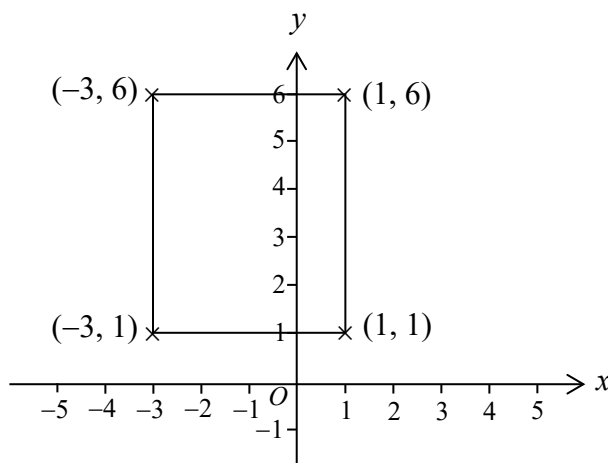


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45.



46.



47. (a)

		Music Activity		
		Choir (C)	Violin Class (V)	Recorder Class (R)
Sport Activity	Long-distance running (L)		LV	
	Basketball (B)	BC		BR

(b) The probability that Alice chooses basketball and violin class = _____

END OF PAPER