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Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2025
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. 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. _____

22. $A =$ _____

$B =$ _____

$C =$ _____

23. The percentage increase in the number of scholarship applicants for the secondary school this year is _____ .

24. *Circle the correct answer (i) * Direct proportion / Inverse proportion

(ii) * Direct proportion / Inverse proportion

25. Number of basketballs : Number of footballs : Number of volleyballs

$=$ _____ : _____ : _____

26. _____

27. _____

28. _____

29. _____

30. $h =$ _____

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

31. _____

32. * Circle the correct answer(s) * Solid A / Solid B / Solid C

33. _____

34. (a) $x =$ _____

(b) $y =$ _____

35. _____

36. $x =$ _____

37. (a) The fast-food chain has _____ branches.

(b) The highest-selling branch of the fast-food chain sold
_____ hamburgers.

(c) The mode of the sale of hamburgers at each branch of the fast-food chain
yesterday was _____ .

38. (a) There were _____ participants in the race.

(b) _____ participants got a medal in the race.

39. The weighted mean score of Johnson is _____ .

Please do not write in the margin.

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

40.

41.

$2x + 3y - 3 = 0$

x	-3	0	3
y		1	

42.

Please do not write in the margin.

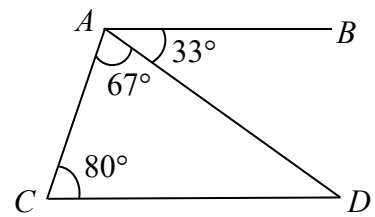
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43.

44.

45.



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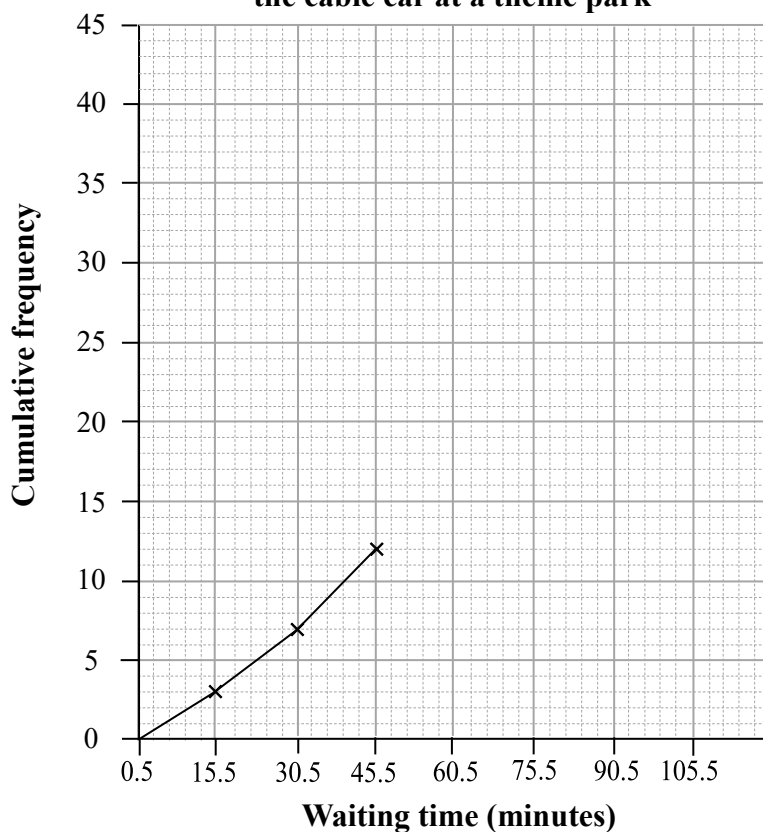
46.

(a)

Waiting time less than (minutes)	15.5	30.5	45.5	60.5		90.5	105.5
Cumulative frequency	3	7	12		28		

(b)

Waiting time of 40 tourists to take the cable car at a theme park



47.

Reason:

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∴ I * **agree** / **disagree** with the chairperson's claim.

(* Circle the correct answer)

END OF PAPER