



9	M	E	2	(	A	)
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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. _____

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

24. $x =$ _____

25. _____

26. _____

27. _____

28. _____

29. _____

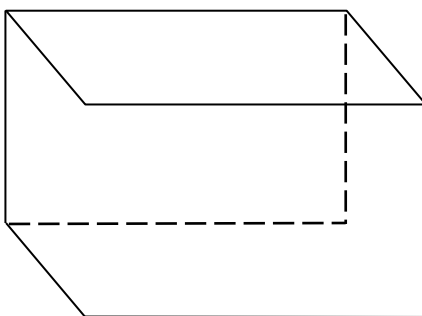
30. _____

31. The maximum absolute error of the measurement is _____ .

Please do not write in the margin.

Please do not write in the margin.

32. Diagram of a right prism:



33. $x =$ _____

34. (a) $x =$ _____

(b) $y =$ _____

35. $x =$ _____

36. $\theta =$ _____

37.

Table 1	
Number of patients	Frequency
0 – 14	
15 – 29	
30 – 44	6
45 – 59	

Table 2	
Number of patients	Frequency
0 – 19	
20 – 39	
40 – 59	3

38. (a) The total number of visitors to the theme park last week was _____ .
- (b) The difference between the highest and lowest incomes of the theme park last week was _____ million dollars.
39. (a) There were _____ participants in the race.
- (b) _____ participants got a medal in the race.

Please do not write in the margin.

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

40.

41.

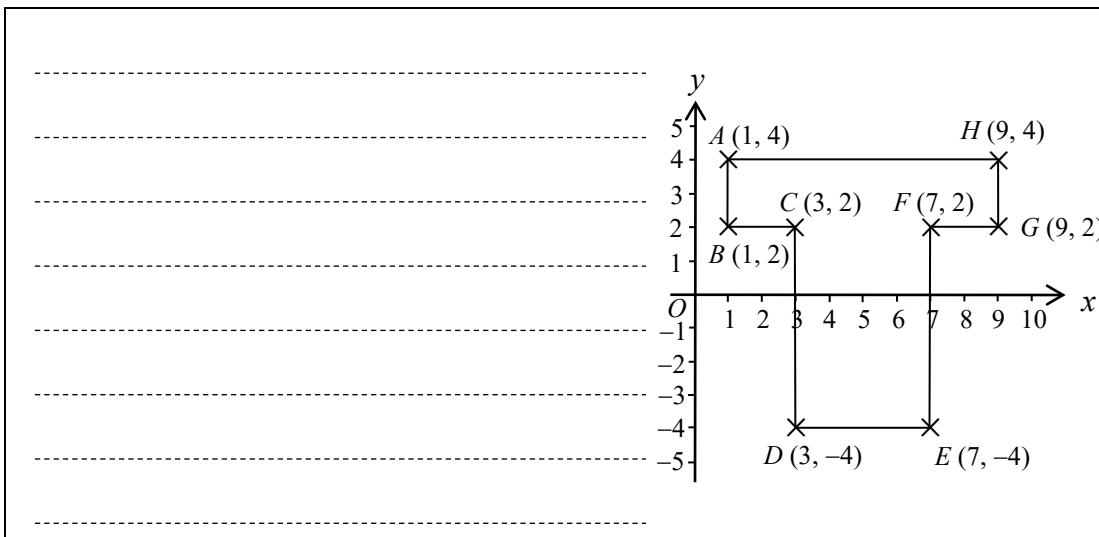
42.

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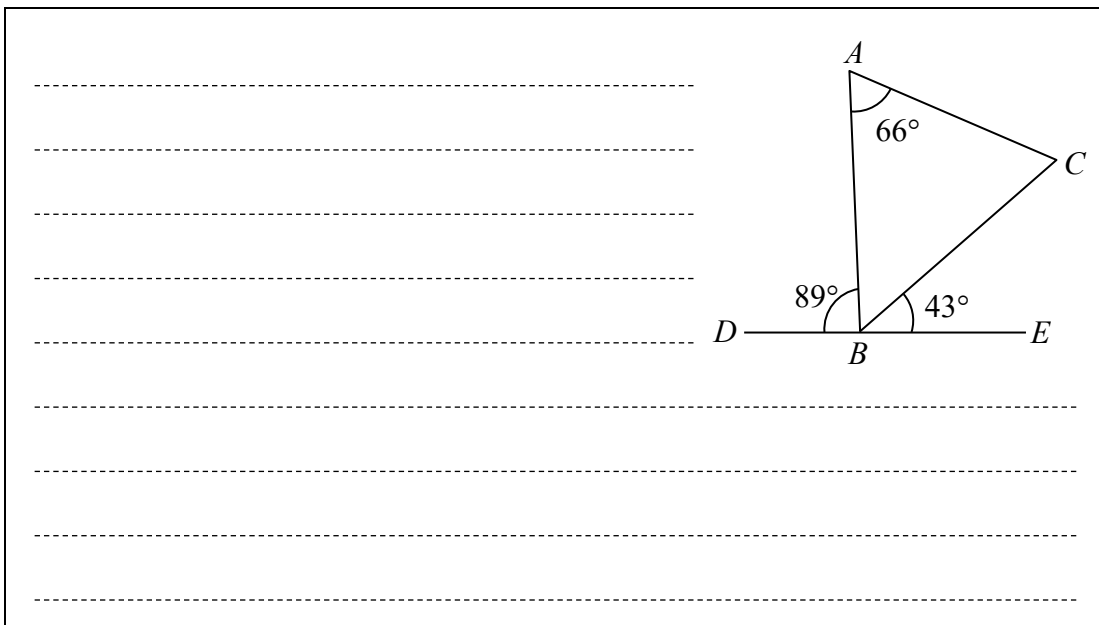
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43.

44.



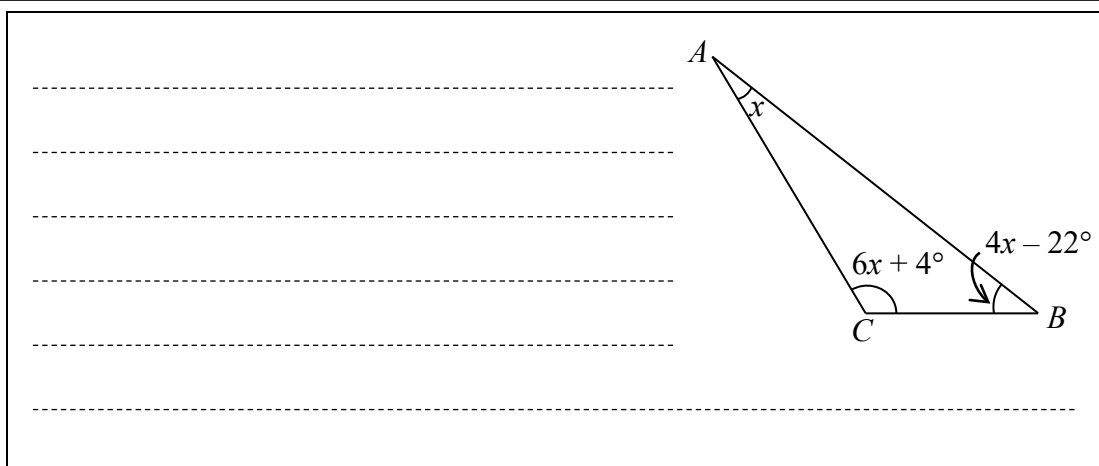
45.



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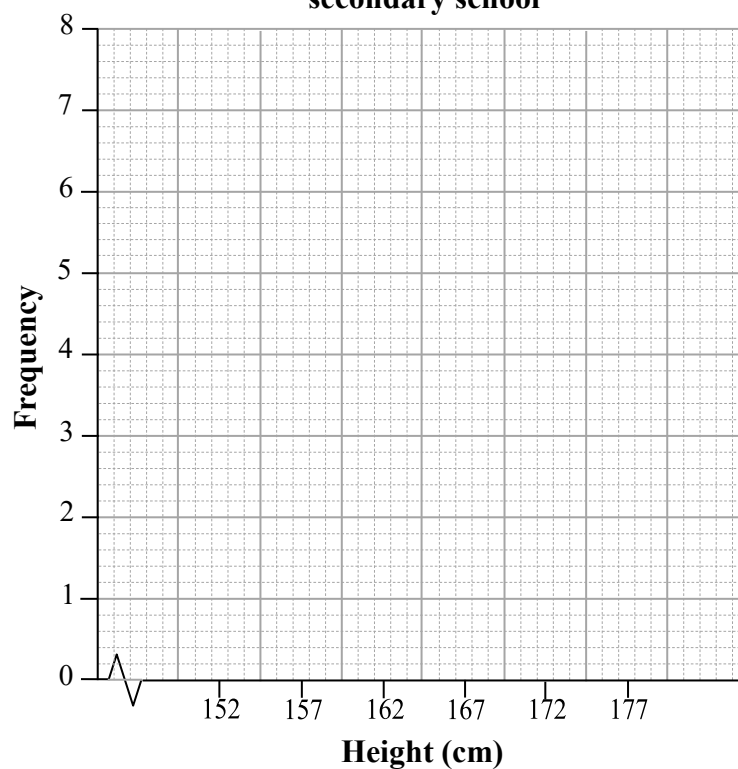
46.



47.

Height (cm)	Class boundaries (cm)	Class mark (cm)	Frequency
150 – 154		152	2
155 – 159	154.5 – 159.5	157	3
160 – 164	159.5 – 164.5	162	
165 – 169	164.5 – 169.5	167	4
170 – 174		172	5
175 – 179	174.5 – 179.5	177	2

The heights of 20 track and field athletes of a secondary school



END OF PAPER

Please do not write in the margin.