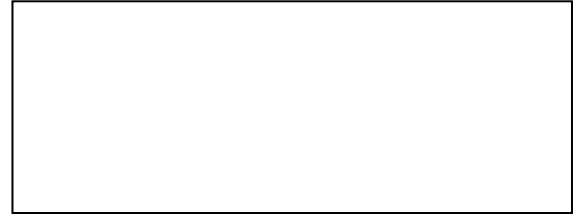




9	M	E	3	(A)
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↑
Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2024
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	
---	--

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
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

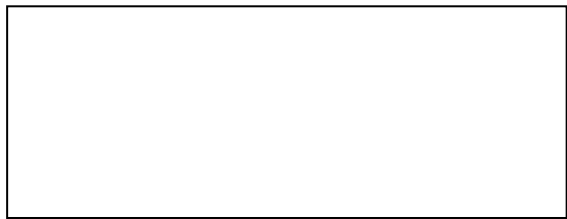
9. A B C D

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

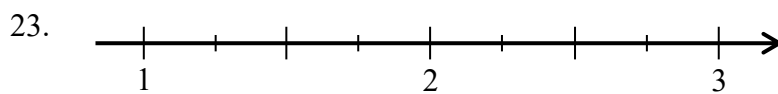
Please do not write in the margin.

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

21. (i) _____ represents that there are 8 000 tourists arriving in city A.

(ii) _____ represents that there are 2 000 tourists leaving city B.

22. _____



24. The selling price of the tablet computer is _____.

25. $x =$ _____

26. _____

27. _____

28. _____

29. _____

30. _____

31. $x =$ _____

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

32. $x =$ _____

33. _____

34. $AB =$ _____ units

35. $\theta =$ _____

36.

Table 1	
Number of push-ups	Frequency
0 – 19	
20 – 39	7
40 – 59	

Table 2	
Number of push-ups	Frequency
0 – 11	
12 – 23	2
24 – 35	
36 – 47	
48 – 59	5

37. (a) The total profit from the food boxes sold last week was _____ dollars.

(b) The mean profit of each food box sold last Thursday was _____ dollars.

38. Mean = _____

Median = _____

39. The modal class of the prices of these 30 tablet computers is

\$ _____ – \$ _____ .

Please do not write in the margin.

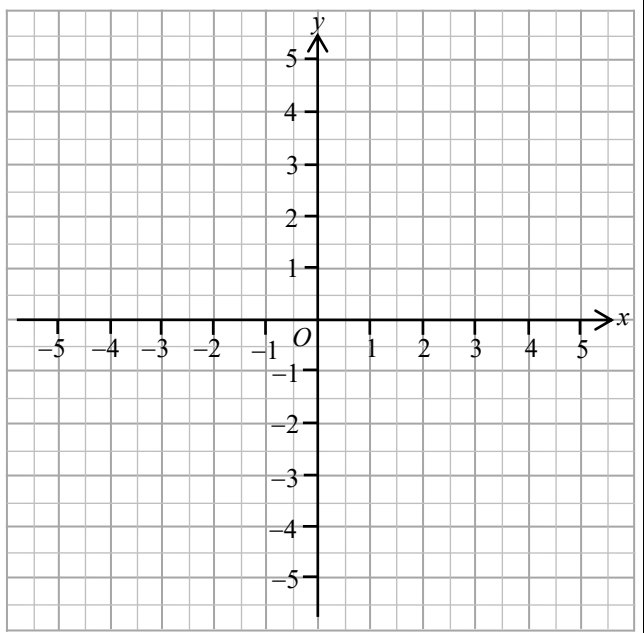
SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.

40.

41.

$$3x - 4y - 8 = 0$$

x	-4	0	4
y		-2	



42.

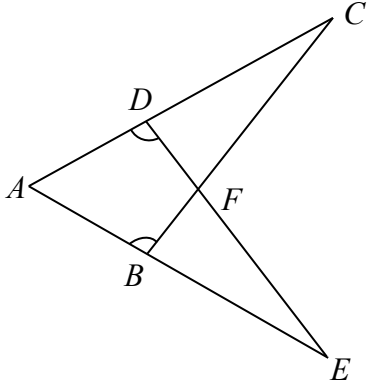
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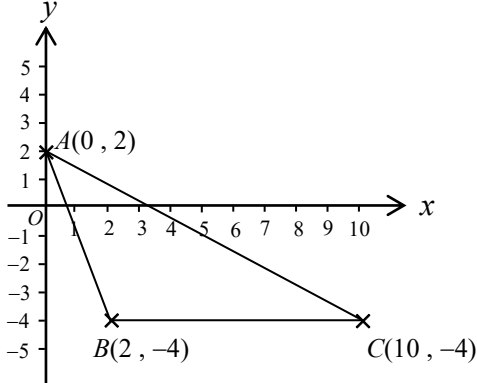
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43.

44.



45.



Please do not write in the margin.

Please do not write in the margin.

46.

Please do not write in the margin.

47. (a)

		Second Question		
		A	B	C
First Question	A		AB	AC
	B	BA		BC
	C	CA	CB	

(b) The probability that Kelvin can answer at least one question correctly is

_____ .

END OF PAPER