



9	M	E	3	(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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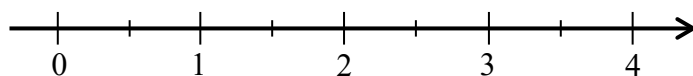
SECTION B: Write your answers in the spaces provided. Working need not be shown.

21. (i) _____ dollar(s) represents that the profit of the tuckshop in May was 5 500 dollars.

(ii) _____ dollar(s) represents that the loss of the tuckshop in June was 3 200 dollars.

22. Speed = _____ m/s

23.



24. $x =$ _____

$y =$ _____

25. _____

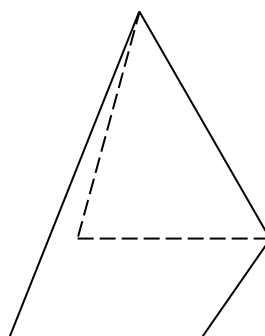
26. _____

27. _____

28. $D =$ _____

29. $-\frac{1}{4}$ -0.3

30. Diagram of a pyramid with square base



Please do not write in the margin.

Please do not write in the margin.

31. *Circle the correct answer

(a) * $\triangle ABC \cong \triangle CDE$ / $\triangle ABC \sim \triangle CDE$

(b) * ASA / RHS / AAA / ratio of 2 sides, included angle

32. $x =$ _____

33. The coordinates of point **R** are (_____ , _____).

34. $JK =$ _____ units

35. $x =$ _____

36.

Table 1	
Number of late arrivals	Frequency
0 – 9	
10 – 19	7
20 – 29	

Table 2	
Number of late arrivals	Frequency
0 – 5	
6 – 11	6
12 – 17	
18 – 23	2
24 – 29	

37. (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 _____ $\mu\text{g}/\text{m}^3$.

38. The weighted mean mark of Class 3A is _____ .

39. The required probability = _____

SECTION C: Answer in the spaces provided.

All working and conclusions must be clearly shown.

40.

[illegible]

∴ The concert hall * has / does not have enough seats for 1 500 people.

(*Circle the correct answer)

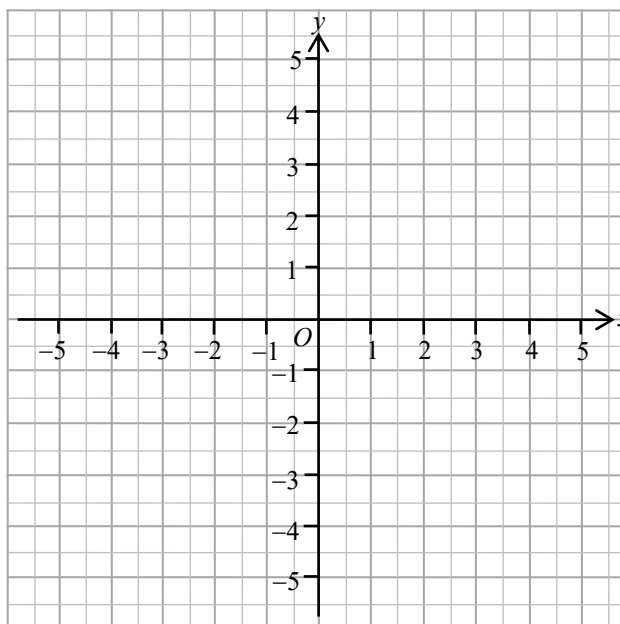
41.

[illegible]

42.

$$x - 4y = 4$$

x	-4	0	4
y		-1	



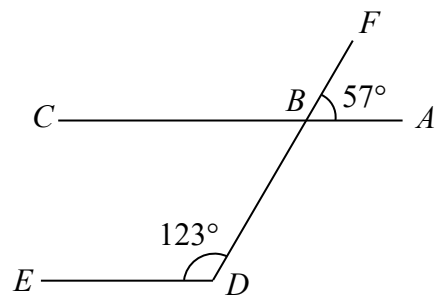
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43.

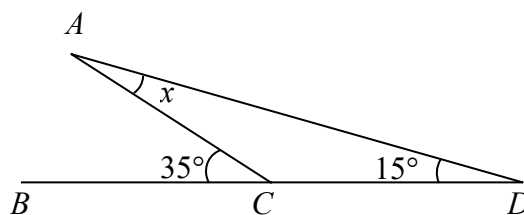
44.



Please do not write in the margin.

45.

46.



47.

(a)

Time (minute)	0 – 4	5 – 9	10 – 14	15 – 19
Class mark (minute)	2		12	
Frequency	5	16	13	6

(b)

END OF PAPER