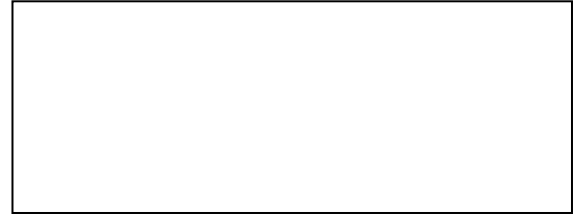




9	M	E	3	(A)
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↑
Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2019
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. The 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. (i) _____ dollars represents that the remaining stored value on Mary's Octopus card is 70 dollars.

(ii) _____ dollars represents that the overdraft on John's Octopus card is 3 dollars.

22. _____

23. There are _____ positive integers less than $\sqrt{142}$.

24. $x =$ _____

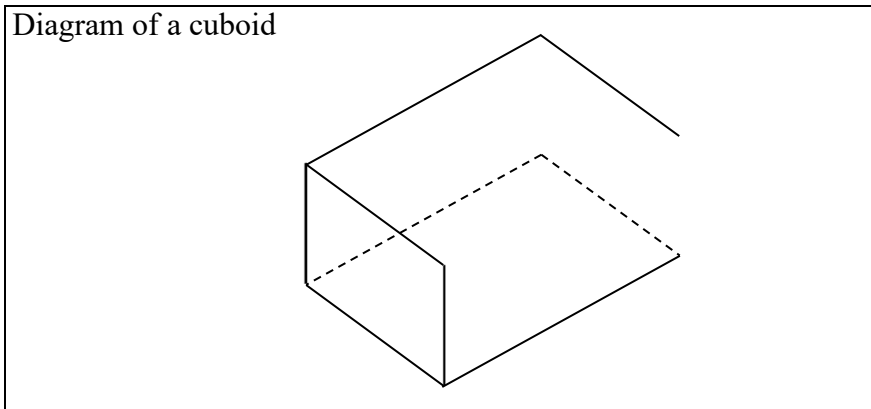
$y =$ _____

25. _____

26. _____

27. _____

28. Diagram of a cuboid



29. $s =$ _____

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

30. $\frac{4}{21}$ $\frac{5}{19}$

31. $x =$ _____

32. _____

33. $x =$ _____

34. The coordinates of point Q are (_____ , _____).

35. $ST =$ _____ units

36. (_____) \rightarrow (_____) \rightarrow (_____) \rightarrow (_____)

37. The weighted mean mark of Kitty is _____ .

38. (a) There are _____ students in 3A.

(b) The student getting the highest mark spends _____ hour(s) on video games per week on average.

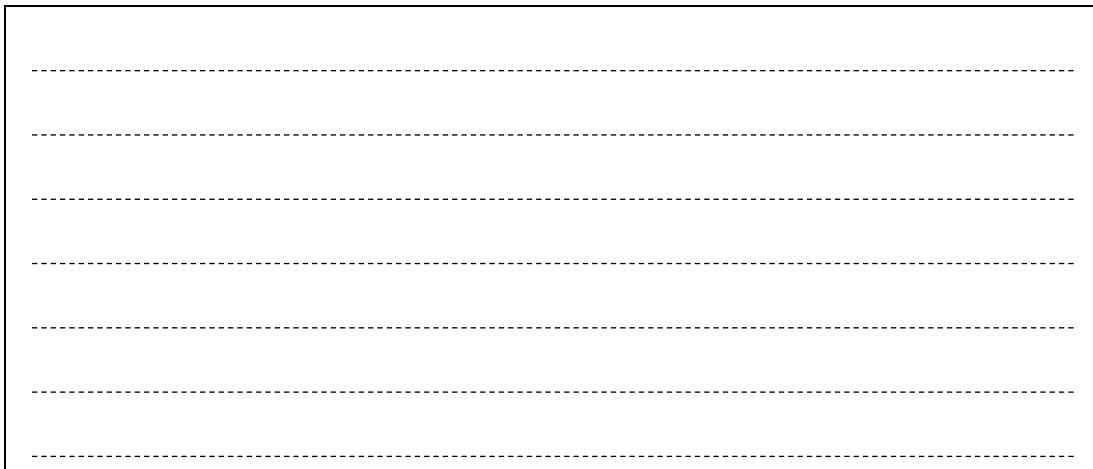
(c) There are _____ students spending more than 10 hours on video games per week on average.

39. The required empirical probability = _____

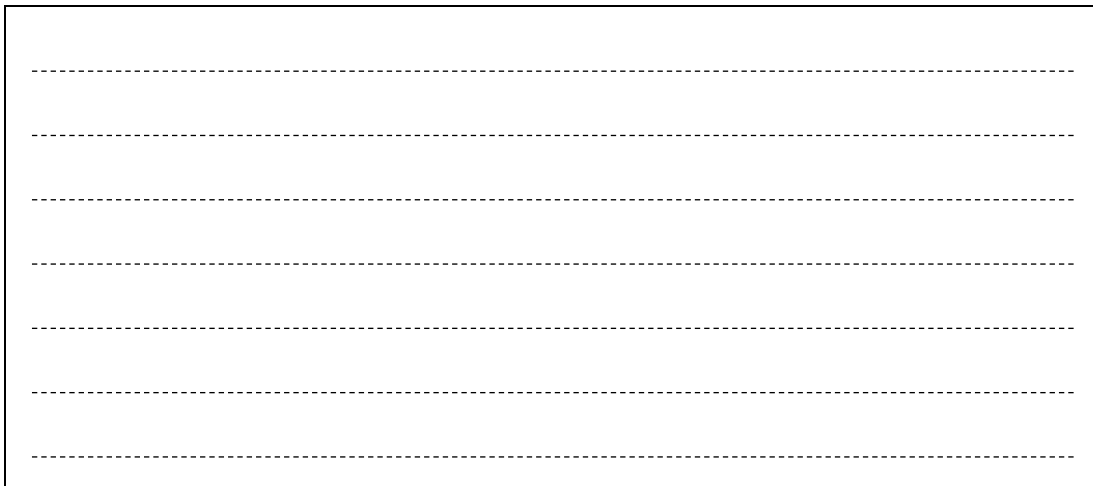
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SECTION C: Answer in the spaces provided.
All working and conclusions must be clearly shown.

40.



41.



42.



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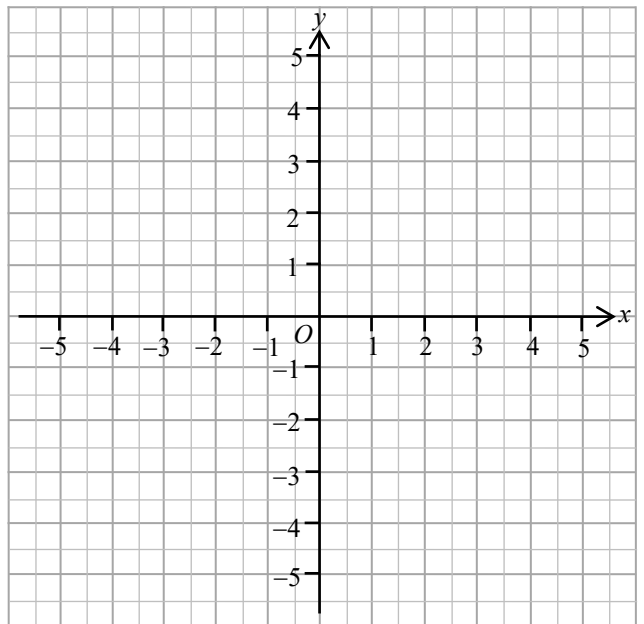
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43.

44.

$$x - 2y - 1 = 0$$

x	-3	1	3
y	-2		



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45.

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46.

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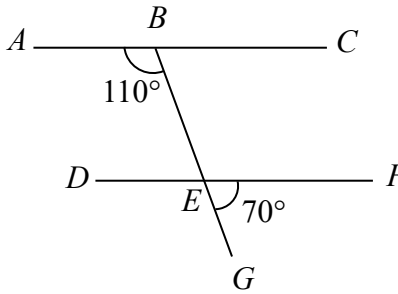
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47.

(a)

Weight (kg)	46 – 50	51 – 55	56 – 60	61 – 65
Class mark (kg)		53		63
Frequency	5	13	10	2

(b)

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END OF PAPER

Please do not write in the margin.