* 9 M E 1 *

9	M	E	1	(	A	)

Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2016
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				**Class**	**3**		**Class No.**		

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
●	○	○	○

	A	B	C	D
1.	○	○	○	○
2.	○	○	○	○
3.	○	○	○	○
4.	○	○	○	○
5.	○	○	○	○
6.	○	○	○	○
7.	○	○	○	○
8.	○	○	○	○
9.	○	○	○	○
10.	○	○	○	○

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	A	B	C	D
11.	○	○	○	○
12.	○	○	○	○
13.	○	○	○	○
14.	○	○	○	○
15.	○	○	○	○
16.	○	○	○	○
17.	○	○	○	○
18.	○	○	○	○
19.	○	○	○	○
20.	○	○	○	○

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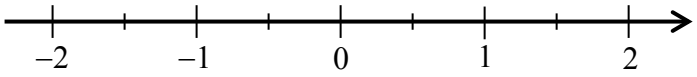
SECTION B: Write your answers in the spaces provided. Working need not be shown.

21. (i) The time difference is represented by _____ hours.

(ii) The time difference is represented by _____ hours.

22.



23. The required weight of butter is _____ g.

24. a = _____

25. The value of the 12^{th} term of the sequence is _____ .

26. _____

27. _____

28. *Circle the correct answer

* exact solution ／ approximate solution

29. K = _____

30. The radius of the circle is _____ cm.

31. _____

32. *Circle the correct answer

(a) * $\triangle LMN \cong \triangle PQR$ ／ $\triangle LMN \sim \triangle PQR$

(b) * Ratio of 2 sides, included angle ／ SSS ／ SAS ／ RHS

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33. $x =$ _____

34. _____

35. The polar coordinates of point A are (_____ , _____).

36. $AB =$ _____ units

37. (a) $x =$ _____

(b) (i) The total number of participants is _____ .

(ii) The number of S1 participants is _____ .

38. The modal class of the prices of the washing machines is $_____ – $_____ .

39. The required probability = _____

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

40.

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41.

42.

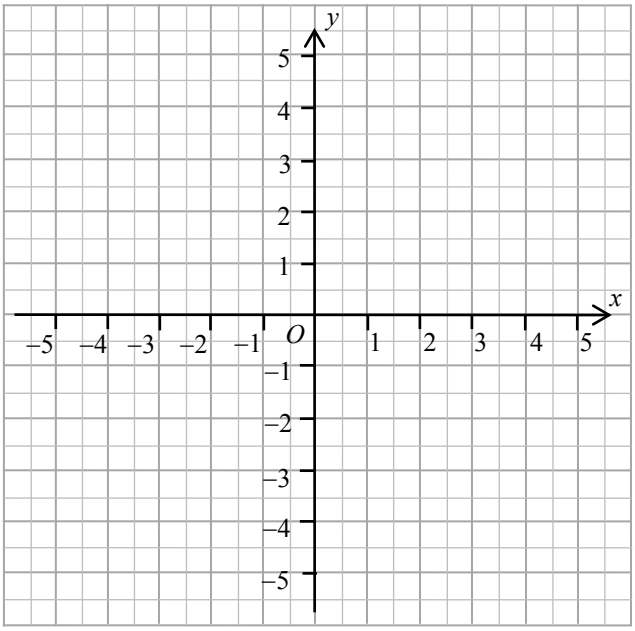
43.

Table 1	
Time taken (s)	Frequency
51 – 60	
61 – 70	9
71 – 80	

Table 2	
Time taken (s)	Frequency
51 – 55	
56 – 60	5
61 – 65	
66 – 70	4
71 – 75	
76 – 80	

44. $y = -\frac{x}{3} + 1$

x	-3	0	3
y	2		



45.

∴ The participating students * can get / cannot get the group discount.

(*Circle the correct answer)

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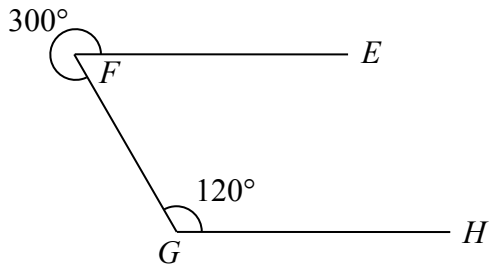
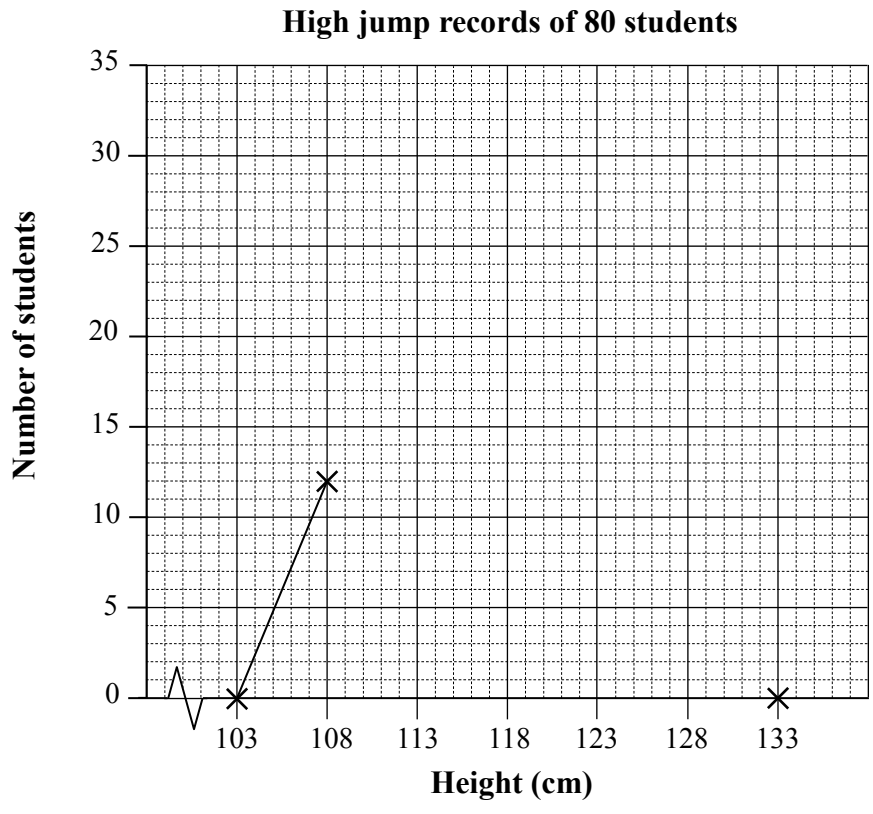
46.



47.



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