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Please stick the barcode label in the box.

Education Bureau
Territory-wide System Assessment 2015
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.
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**School
Code**

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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

☐ ☐ ☐ ☐

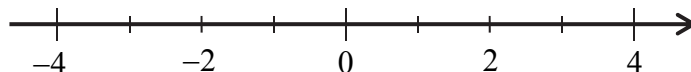
Please do not write in the margin.

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

21. (i) _____ persons represents 68 persons boarding a train on Platform No.1.

(ii) _____ persons represents 95 persons leaving a train on Platform No.2.

22.



23. $S =$ _____

24. _____

25. _____

26. _____

27. _____

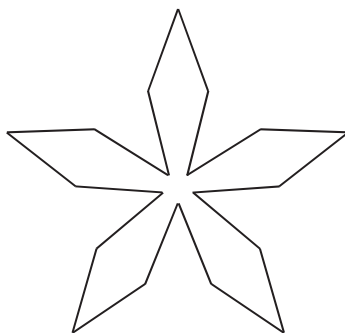
28. $x =$ _____

29. _____

30. $-\frac{5}{3}$ $-\frac{5}{4}$

31. The total surface area of the cuboid is _____ cm^2 .

32.



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Please do not write in the margin.

33. (a) $x =$ _____

(b) $y =$ _____

34. $x =$ _____

35. _____

36. _____

37. The polar coordinates of point **D** are (_____ , _____).

38. $\theta =$ _____

39. *Circle the correct answers (i) * Discrete data / Continuous data

(ii) * Discrete data / Continuous data

40. (a)

Group	A	B	C	D	E	F
Time (s)	11 – 15	16 – 20	21 – 25	26 – 30	31 – 35	36 – 40
Frequency						

(b) _____ students took less than 20.5 s to solve the online problem.

(c) The time taken by Jacky should belong to group * A / B / C / D / E / F.
(* Circle the correct answer)

41. The required empirical probability = _____

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

42.



43.



44.



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Please do not write in the margin.

Please do not write in the margin.

45.

The diagram shows two horizontal lines, EB and FC , intersected by a transversal line AD . At point B , the angle between line EB and the transversal AD is labeled 67° . At point C , the angle between line FC and the transversal AD is labeled 113° .

46.

47.

Please do not write in the margin.

48.

49.

50.

Table 1		Table 2	
Waiting time (min)	Frequency	Waiting time (min)	Frequency
0 – 9	5	0 – 5	5
10 – 19		6 – 11	
20 – 29		12 – 17	
		18 – 23	5
		24 – 29	

END OF PAPER