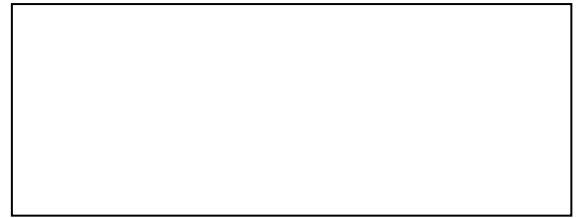




<b>9</b>	<b>M</b>	<b>E</b>	<b>1</b>	<b>(</b>	<b>A</b>	<b>)</b>
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↑  
Please stick the barcode label in the box.

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**Education Bureau**  
**Territory-wide System Assessment 2013**  
**Secondary 3**  
**Mathematics**  
**ANSWER BOOKLET**

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**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**

<b>3</b>	
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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 :

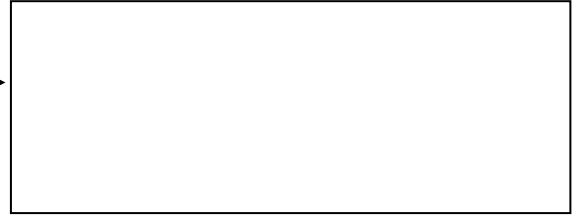
A      B      C      D  
●      ○      ○      ○

- 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) \_\_\_\_\_ points represents a rise of 350 points of the Hang Seng Index.

(ii) \_\_\_\_\_ points represents a drop of 300 points of the Hang Seng Index.

22. \_\_\_\_\_

23. The ratio of the number of girls to the number of boys = \_\_\_\_\_ : \_\_\_\_\_

24. \_\_\_\_\_

25. The polynomial is \_\_\_\_\_ .

26. \_\_\_\_\_

27. \_\_\_\_\_

28.  $x =$  \_\_\_\_\_

29. \_\_\_\_\_

30. \_\_\_\_\_

31. \_\_\_\_\_

32. The area of the figure is \_\_\_\_\_  $\text{cm}^2$ .

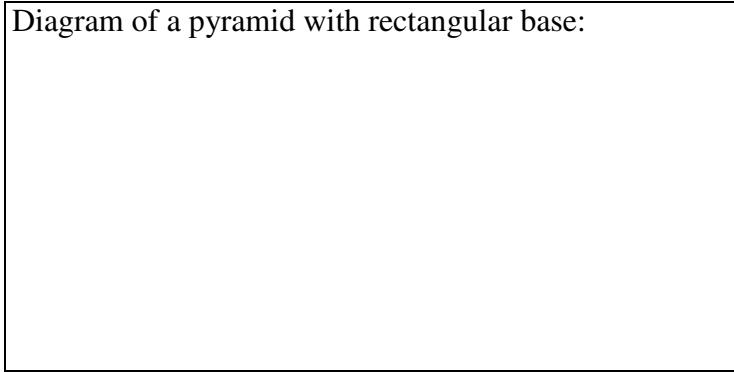
33. \_\_\_\_\_

Please do not write in the margin.

Please do not write in the margin.

Please do not write in the margin.

34. Diagram of a pyramid with rectangular base:



35. (a)  $x =$  \_\_\_\_\_

(b)  $y =$  \_\_\_\_\_

36. The plane of reflectional symmetry of the cube is \_\_\_\_\_ .

37.  $AB =$  \_\_\_\_\_ cm

38. The coordinates of point  $P$  are ( \_\_\_\_\_ , \_\_\_\_\_ ).

39.  $x =$  \_\_\_\_\_

40. (     )  $\rightarrow$  (     )  $\rightarrow$  (     )  $\rightarrow$  (     )

41. The required empirical probability is \_\_\_\_\_.

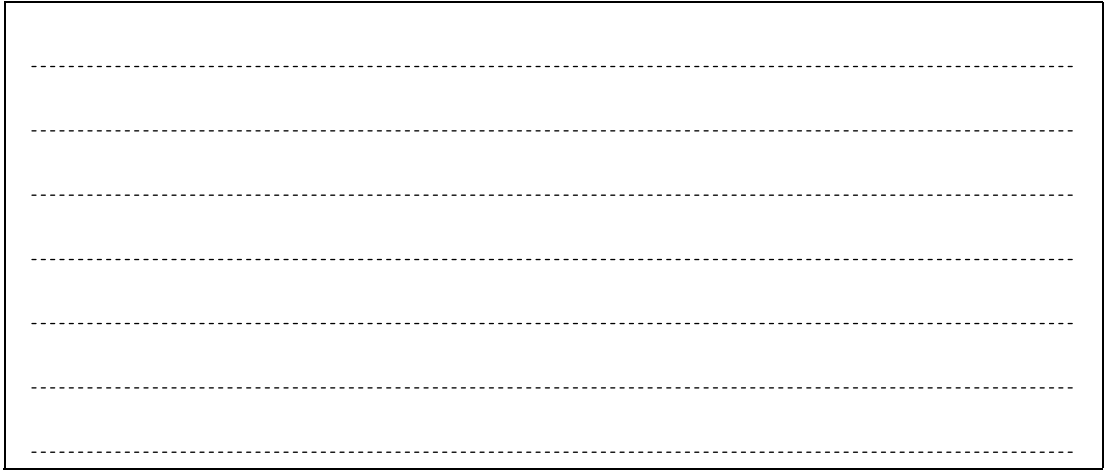
**SECTION C:** Answer in the spaces provided.  
All working and conclusions must be clearly shown.

42.

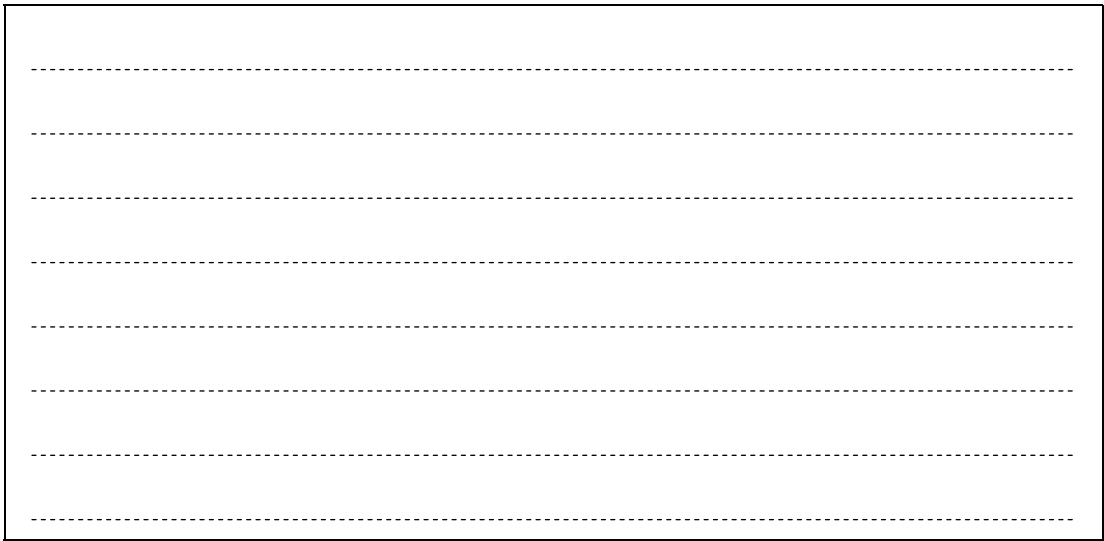
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Please do not write in the margin.

43.



44.



45.

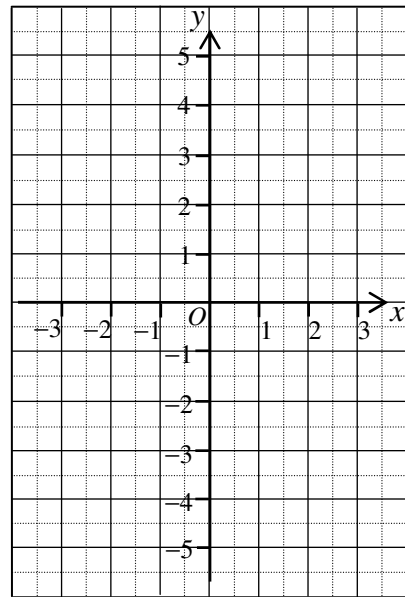


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46.  $y = 2x - 1$

$x$	-2	0	2
$y$			3

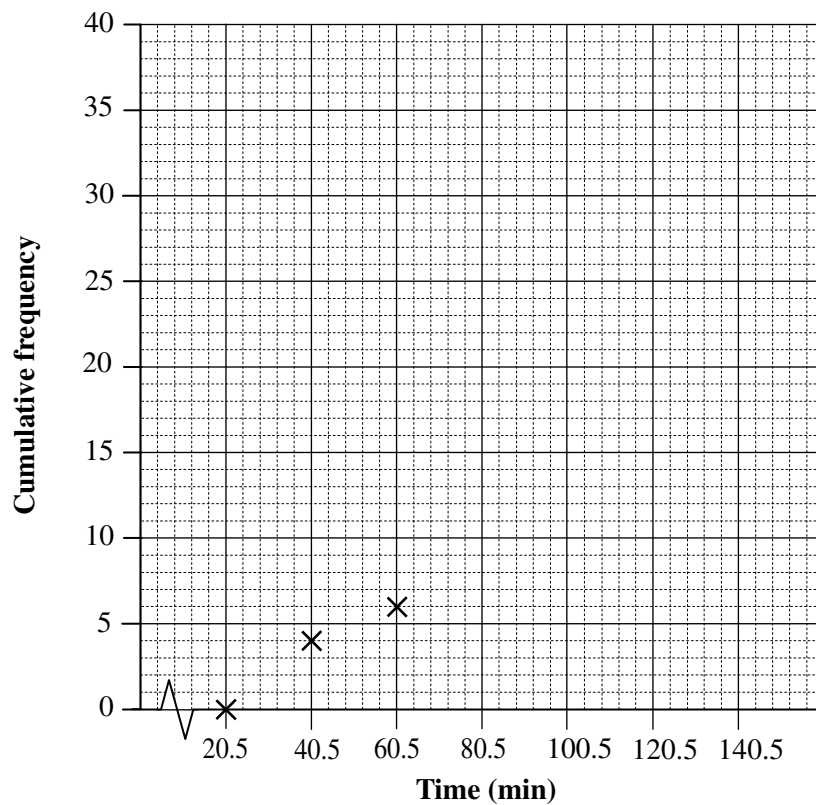


47. (a)

Waiting time less than (min)	20.5	40.5	60.5	80.5	100.5	120.5	140.5
Cumulative frequency	0	4	6				

(b)

**Waiting time of 35 patients**



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48.

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49.

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50.

Explanation:

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∴ Jacky \* had / did not have enough money to pay for the items.  
(\*circle the correct answer)

Please do not write in the margin.

END OF PAPER