



<b>9</b>	<b>M</b>	<b>E</b>	<b>4</b>
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↑  
Please stick the barcode label in the box

**Education Bureau**  
**Territory-wide System Assessment 2008**  
**Secondary 3**  
**Mathematics**  
**ANSWER BOOKLET**

**INSTRUCTIONS**

1. Stick barcode labels in the spaces provided on Pages 1 and 3.
2. The time allowed is 65 minutes.
3. Write ALL your answers in the spaces provided in this ANSWER BOOKLET.
4. Do not write in the margins.
5. The use of HKEAA approved calculators is permitted.
6. Rough work should be done on the rough work sheet provided.
7. Write your School Code, Class and Class Number in the boxes below.

**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 :

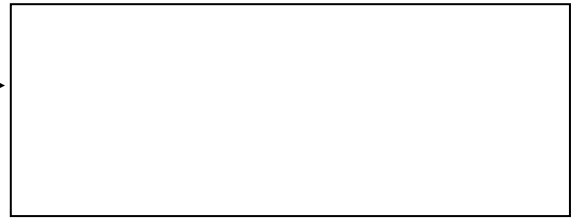
A      B      C      D  
●      ○      ○      ○

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.

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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. \*Circle the correct answer.  
 (i) \* Exact value / Estimated value  
 (ii) \* Exact value / Estimated value

22.  $0.000\ 000\ 023\ 5 =$  \_\_\_\_\_

23. It takes \_\_\_\_\_ years for her to earn a total interest of \$ 900.

24. The ratio is \_\_\_\_\_ : \_\_\_\_\_.

25. The price of each ticket was \$ ( \_\_\_\_\_ ).

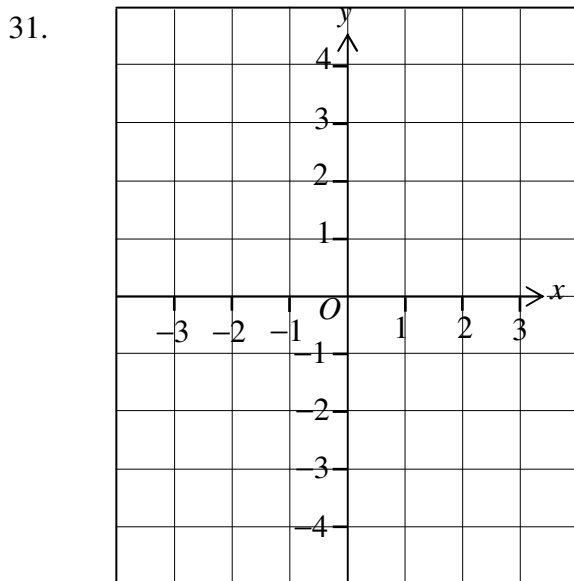
26. \_\_\_\_\_

27.  $(x + 2y) - (3y - 2x) =$  \_\_\_\_\_

28.  $\frac{(m^{-2})^{-3} n^6}{n^2} =$  \_\_\_\_\_

29.  $4 - 9y^2 =$  \_\_\_\_\_

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



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Please do not write in the margin.

32.  $(2x - y)^2 =$  \_\_\_\_\_

33. (i)  $\frac{1}{2}$    $\frac{1}{10}$

(ii)  $-\frac{1}{2}$    $-\frac{1}{10}$

34. \_\_\_\_\_

35. \_\_\_\_\_

36. \_\_\_\_\_

37.  $x =$  \_\_\_\_\_

38.  $x =$  \_\_\_\_\_

39. \_\_\_\_\_

40. The coordinates of  $P'$  are ( \_\_\_\_\_ , \_\_\_\_\_ ).

41. The area of  $\triangle ABC$  is \_\_\_\_\_ square units.

42. The length of  $BC$  is \_\_\_\_\_ units (correct to 1 decimal place).

43. (a) \_\_\_\_\_ students answered this survey.

(b) \_\_\_\_\_ students have \$24 daily pocket money.

(c) The largest amount of daily pocket money is \$ \_\_\_\_\_.

44. The median of exercise times is \_\_\_\_\_ hours.

45. The modal class is \_\_\_\_\_.

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**SECTION C: All working must be clearly shown. Write your mathematical expressions, answers and statements/conclusions in the spaces provided.**

46.

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47.

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48.(a)

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48.(b)

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49.(a) (Write down the answer only)

The area of the island is approximately \_\_\_\_\_  $\text{km}^2$ .

49.(b)

Four horizontal dashed lines for writing the answer to question 49(b).

50.

Five horizontal dashed lines for writing the answer to question 50.

51.

Eight horizontal dashed lines for writing the answer to question 51.

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52.(a)

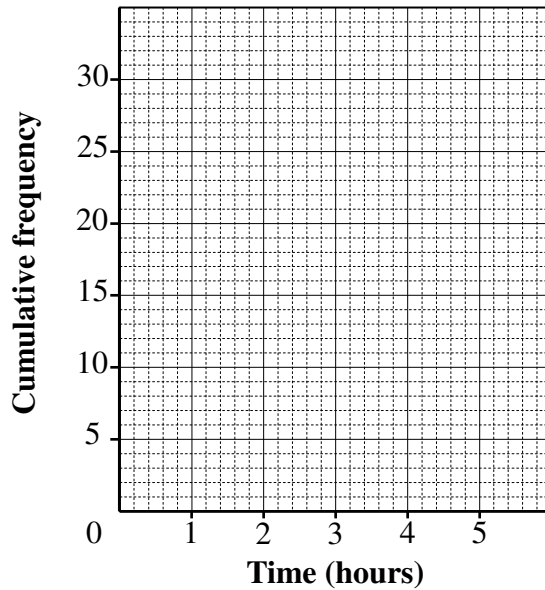
Blank area for writing the answer to question 52(a), featuring horizontal dashed lines.

(b) (Write down the answer only)

The true bearing of  $C$  from  $A$  is \_\_\_\_\_ (correct to the nearest degree).

53.

**Time taken by 30 students to do their projects**



**END OF PAPER**

Please do not write in the margin.