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
● ○ ○ ○

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

21. (i) __________ °C   (ii) __________ °C

22. \((-2)[(-6)+(-3)(4)] = \) __________

23. The percentage increase of the price is __________ %.


25. 80, –40, 20, –10, __________, __________, . . .

26. The degree of the polynomial is __________.

27. \(9ab^2 - 15a^2b = \) __________

28. __________

29. \((x + 2y)(x - 2y) = \) __________

30. \(x = \) __________

31. The solution of the inequality \(3x + 1 \geq 10\) is __________.

32. The height of the cylinder is __________ cm.

33. Circle the correct answers:  (i) volume / surface area / total sum of lengths (ii) volume / surface area / total sum of lengths
34. Diagram of a cuboid:

35. ________________

36. $\angle BCD = ________________$

37. The length of $DF$ is ________________ cm.

38. $x = ________________$

39. The area of parallelogram $ABCD$ is ________________ sq. units.

40. The horizontal distance $AC$ is ________________ m.

41. Circle the correct answers: (i) Discrete data / Continuous data
   (ii) Discrete data / Continuous data

42. (a) At __________, the air temperature of Shatin was the lowest.
   (b) The difference between the lowest and the highest temperature was __________ °C.
   (c) At __________, Shatin had the biggest increase in temperature compared to the temperature one hour before.

43. The mode is ________________.
47. \[ y = \frac{2 - x}{2} \]

<table>
<thead>
<tr>
<th>x</th>
<th>-2</th>
<th>0</th>
<th>2</th>
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<tbody>
<tr>
<td>y</td>
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48. 

49. 

Go on to the next page.
50.

![Diagram]

51. Table 1

<table>
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<td>33 – 40</td>
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<td>41 – 48</td>
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Table 2

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<tr>
<td>25 – 36</td>
<td></td>
</tr>
<tr>
<td>37 – 48</td>
<td></td>
</tr>
</tbody>
</table>

52. The number of gifts that can be bought by Terence is ________.

Reason:

END OF PAPER