



KNOX
GRAMMAR
SCHOOL

STATE

DA VINCI DECATHLON 2019

CELEBRATING THE ACADEMIC GIFTS OF STUDENTS
IN YEARS 5 & 6



CODE BREAKING

TEAM NUMBER _____

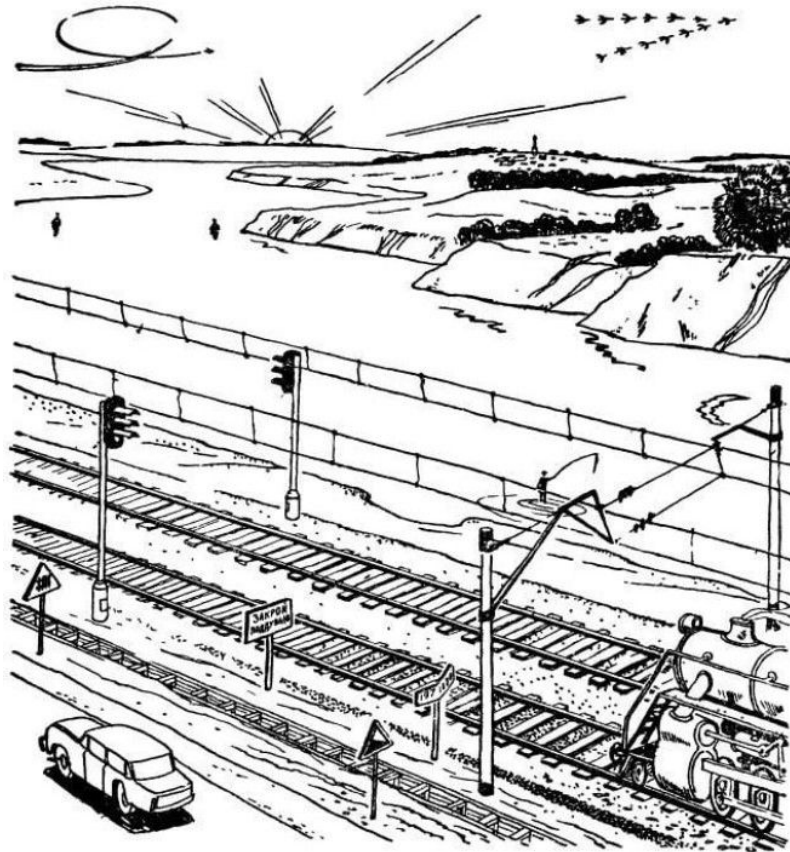
| 1 | 2 | Total | Rank |
|-----|-----|-------|------|
| /10 | /50 | /60 | |

QUESTION 1: VISTA DEDUCTION

18 MARKS

Below are some common landscapes. Decrypt these landscapes by looking carefully at the tiny details, then answer the questions relevant to each landscape.

(a) It is known the train is approaching a red light and is almost stationary.



1. Will there be a new moon soon, or in a while? (1 mark)
2. Is it morning or evening? (1 mark)
3. Is the river likely to be used by boats? (1 mark)
4. Is it windy? (1 mark)

(b)

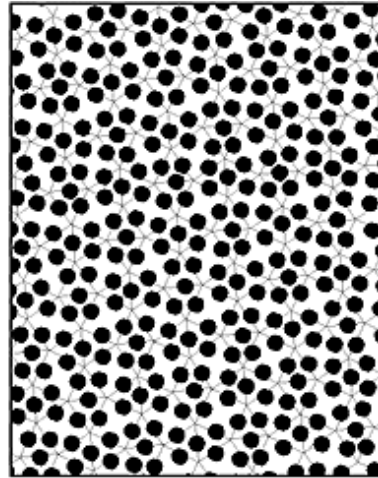
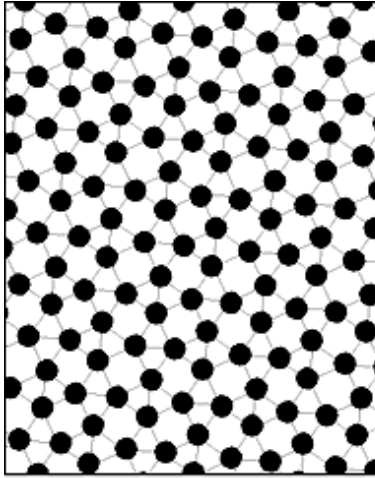


1. Is the water likely to be deep? (1 mark)
2. Is it summer/spring or winter/autumn? (1 mark)
3. Is it morning or afternoon? (2 marks)

(c) Below is an excerpt from an old newspaper. Some citizens have stumbled across a treasure chest on the beach. The bear claims he found it first, so it belongs to him. The man in the green jacket, however, claims he was there first so he owns it. Who found the treasure first and why? (1 mark)



d) Compare the two images below. What is similar and, therefore, connects both images? (1 mark)



QUESTION 2: THE PECULIAR PASTURES

50 MARKS



The village of Sacramentum were displeased with the uniqueness of their town. Tourism had significantly reduced, and the townspeople were no longer joyful. At a town meeting the townspeople settled on a solution: they would hire a world-renowned architect and engineer to redesign many parts of their town. They gave the architect a theme – creative countryside - expecting an exciting new pastiche of styles. However, when they returned for the grand re-opening they were not pleased. Everywhere they looked all the townspeople could see were symbols, numbers and meaningless sentences. Unbeknownst to the townspeople the architect was in fact an avid cryptography and enjoyed dabbling in code making on occasion. This village redesign was to be the pinnacle of his career, and he decided to encrypt the entire city to create the most creative countryside in the world.

You have been hired by the townspeople of Sacramentum to make things right. They have sent you an A3 image of a section of their village that contains 10 encrypted messages. Your task is to find these codes, decrypt the messages and write your decryptions in the 10 spaces provided on the answer sheet.

ANSWER SHEET

Team Code: _____

| PART | ANSWER | MARK |
|------|-----------------------------------|------|
| 1(a) | (i) Answer: Explanation: | |
| | (ii) Answer: Explanation: | |
| | (iii) Answer: Explanation: | |
| | (iv) Answer: Explanation: | |
| 1(b) | (i) Answer: Explanation: | |
| | (ii) Answer: Explanation: | |
| | (iii) Answer: Explanation: | |
| 1(c) | | |
| 1(d) | | |

| PART | ANSWER – WRITE EACH DECRYPTION IN A SEPARATE BOX | MARK |
|------|--|------|
| 2 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

