

Le sujet comporte 4 pages numérotées de 1/4 à 4/4



Text

1. Danville teen Evan O'dorney took first place Tuesday night in the nation's prestigious science competition, an honor that comes with a 100.000 dollars prize and congratulations from the president.

2. He is the first Bay Area student to win what is considered the high school equivalent of Nobel Prize and the sixth from California since the contest started in 1942. He appears to be the first homeschooled winner as well, according to organizers.

3. Evan, 17, bested thirty nine other Intel Science talent Search finalists from across the country with a mathematics entry summarized as "Continued Fraction Convergent and Linear fractional transformations." In more simple terms, the teen found the answer to a previously unsolved theoretical math problem that involved approximating the square root of a non-square integer. He did it with a few algebraic symbols what no one had ever done, a remarkable accomplishment, especially because he was only 16 when he solved it.

4. The money is nice, Evan said, but it's the recognition of his work that means the most. "It means I've demonstrated that I'm passionate about math and I can convey that to the world," he said shortly after he won.

5. Picking a winner is never easy, said the contest's head judge Dr. Andrew Yeager, professor at the University Of Arizona College Of Medicine. The student's project is taken into account, as is an interview that covers such topics as biomedicine, physics, ecology and engineering. "We want to hear how people think through things in areas they may not be quite as conversant," Yeager said. Evan "was batting them out of the park."

COMPREHENSION QUESTIONS (12marks)

1) Which statement is not supported?

(1 mark)

- a) Inspiration and aspiration are basic to success.
- b) Perspiration doesn't pay.
- c) Achievement rewarded.

2) Complete the following table with information from the text.

(3marks)

| Name | Field of creativity | Achievement | Tribute |
|---------------|---------------------|-------------|---------|
| Evan O'dorney | | | |

3) Pick out a complete sentence from the text to show that the following statement is false.

(1 mark)

- a) Evan was the only student who won the competition.

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4) Circle 2 adjectives that best describe Evan O'dorney.

(2marks)

incomparable unremarkable accomplished illiterate

5) What do the words underlined in the text refer to?

(2marks)

"the contest" (paragraph 2) refers to

"it" (paragraph 3) refers to.....

6) Find words meaning nearly the same as:

(2marks)

- a) Local (paragraph 2)

b) Familiar (paragraph 5).....

7) Tick the alternative that explains the following idiom. (1mark)

Evan "was batting them out of the park"

- a) Evan was using a baseball bat.
- b) Evan knocked all the finalists down.
- c) Evan topped all the competitors



LANGUAGE (6marks)

1- Fill in the blanks with appropriate words in the box. (3marks)

paths / would-be / prestigious / high-ranking / obtaining / career / corporate /
enough / own

The glass-ceiling is likely to affect working women the most. It's the barrier that impedes the advancement of women and ethnic minorities in the workforce and preventing them from and securing the most and highest-grossing jobs in the workplace. This barrier makes many women feel like they are not worthy to have these positions, but also they feel as if their bosses did not take them seriously or actually see them as candidates for these positions.

2- Circle the correct alternative (3marks)

Ecotourism and Green Travel involve travelling with the objective of avoiding any environmental or social impact both to the areas (**visit – visited – visiting**) and the global environment. Eco-tour operators devise tours that lessen environmental impact (**over – above – up**) a standard tour. Often these tours have a didactic component, (**learners – learning – learn**) about the area you are visiting. Eco-tours may educate

travelers through (**brochures – assets – contributions**), interpretation and advice from guides about the customs, evolution and (**threat – misconduct – etiquette**) of locals. This (**will – may – must**) prevent conflicts between locals and travelers that might have been caused through misunderstanding or ignorance.

WRITING (12marks)

1 -Use the following notes to write a short biography of James Cook. (4marks)

- Born 1728 / English navigator / greatest explorer / 18th century.
- Go to sea / make several voyages / join the Royal Navy / 1755.
- Kill / 1779 / the ship / return to Hawaii.

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2 – Living in **the city** is an idea about which people **share different opinions**. Some are attracted to the bright lights and hustle and bustle offered by a major metropolitan area, while others would just as soon keep their distance from such an environment.

What about you? (8marks)

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