


試題本文

How is the weather today? Is it sunny or cloudy? Have you ever wondered how meteorologists decide on what words to use to tell us about the weather? Well, they count the clouds in the sky using the okta scale. You can even make one by yourself. All that you need is a square mirror and a marker. First, use the marker to draw a grid with 8 equal squares on the mirror. Each square is called an okta. Next, put the mirror on the ground where you can see the whole sky, and count the number of the squares in the reflections that are full of clouds. Don't count the clouds that are see-through where you can see the sky behind them. Sunny weather happens when there are no clouds in the sky. Meteorologists will say it's mostly sunny when there are 1 or 2 okta's of clouds covering the sky. Partly cloudy and partly sunny mean exactly the same thing when there are 3, 4 or 5 okta's of clouds covering the sky. The term "mostly cloudy" is used when the sky has 6 or 7 okta's of cloud cover. Finally, it is cloudy or perhaps overcast if all 8 okta's, which means the entire sky, are covered with clouds.

 grid 網格, reflection 映照出的影像

參考資料：

1. What is a cloud? Retrieved from <https://bbc.in/3hrBNku>
2. What Does an Okta Measure? Retrieved from <https://bit.ly/359LGRj>
3. <https://www.cwb.gov.tw/eng/>

Q1

What do meteorologists do?

- (A) They make mirrors and markers.
- (B) They study the weather every day.
- (C) They study how words are put together.
- (D) They make money by selling okta scales.

正解：B

Q2

According to the reading, which of the following is true?

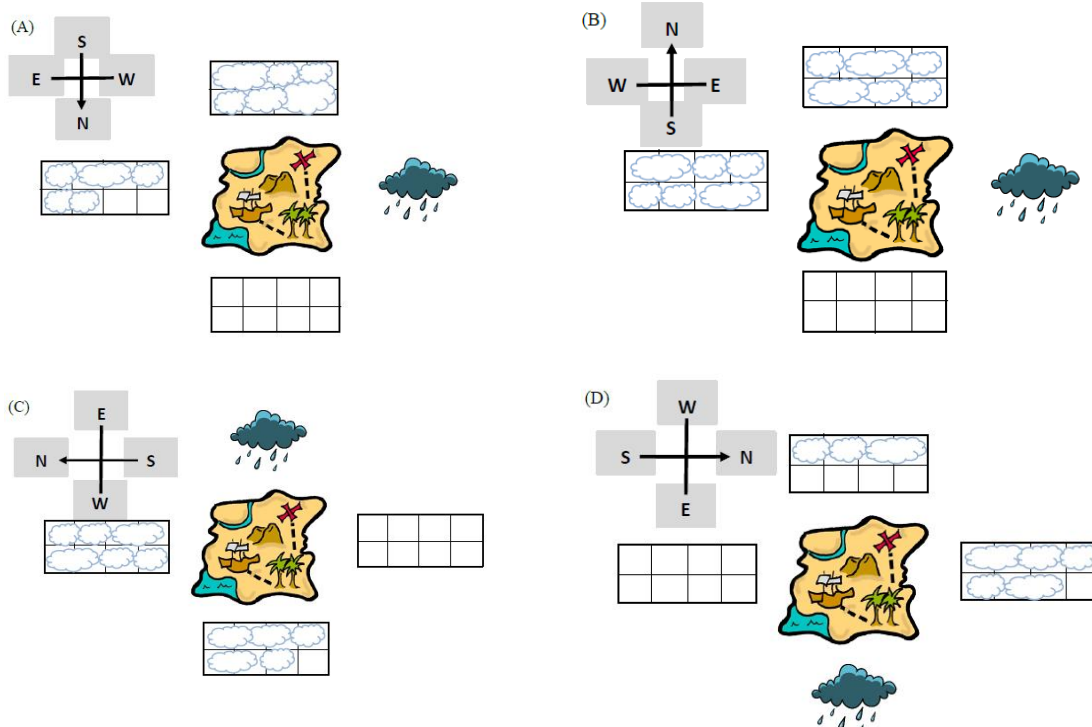
- (A) If a quarter of the sky is covered with clouds, meteorologists will say it is sunny.
- (B) If clouds cover half of the sky, meteorologists will say it is mostly sunny.
- (C) Meteorologists count all the clouds, even those that are see-through.
- (D) Six okta's means three fourths of the sky.

正解 : D

Q3

Read the weather forecast below and choose the correct picture.

Welcome to the LTT weather forecast. Now, let's see what the weather is like today. In the north of the country, the weather is overcast. Don't leave home without your umbrella because there is a chance of some rain. The east of the country will continue to see rounds of rain, I'm afraid. A storm is expected to come in the afternoon. In the west of the country, the weather is mostly cloudy. No rain will be coming out of those clouds, but it is quite windy. No weather worries for those of you in the south of the



正解 : C

Q4

Directions: Follow the steps in the reading and make your own okta scale. Use the okta scale you made to count the clouds in the sky and record the weather condition in the chart below. Then, visit the website of the Central Weather Bureau to check whether your record is correct or not.

My Weather Record

Taoyuan City

Date: _____

It's _____ today.

Central Weather Bureau

Taoyuan City

Date: _____

It's _____ today.

❖ 【差異化設計】簡易寫作及口說任務：

Follow the steps in the reading and make your own okta scale. Use the okta scale you made to count the clouds in the sky. Record the weather conditions for five days in the chart below, and then present your weather report in class.

5-Day Weather Report

Example

☁	☁	☁	

Date: 4/1

It's partly sunny.

Monday

Date: _____

Tuesday

Date: _____

Wednesday

Date: _____

Thursday

Date: _____

Friday

Date: _____

參考答案：

作答時必須完成下列幾點：

1. 根據文本中所提到的步驟製作八分數表。

2. 完成八分數表後，依文本中所提到的方法判斷天空的雲量所代表的天氣狀況，並且完成天氣紀錄表，例如：八分數表 2 格代表 **mostly sunny**。
3. 完成天氣紀錄表後，依題目指示上網查中央氣象局的天氣報告並記錄，學生非專業氣象人員，和中央氣象局的判讀不一樣時不扣分。

❖ 【差異化設計】簡易寫作及口說任務：

根據文本中所提到的步驟製作八分數表，完成 5 日天氣紀錄表，並口頭報告天氣狀況，紀錄時用現在式，口頭報告時則必須用過去式敘述，例如：紀錄表上填 **It is sunny today.**，口頭報告時則必須說 **It was sunny on that day.**。

Q5

Directions: Your friend is going to pay you a visit in Taoyuan. Based on the information below, tell your friend about the weather in Taoyuan. You should also give your friend some advice, such as what to bring or wear.

Taoyuan City
Today

☁		☁	

19 – 23 ° C

0%

Taoyuan City
Tomorrow

☁		☁	

28 – 31 ° C

90%

❖ 【差異化設計】綜合任務：

You're planning a day trip in Taiwan. Visit the Central Weather Bureau to check the weather condition. Complete the chart below, and then tell us about your trip preparation.

City/County: _____

Location: _____ Taiwan / outlying island
(central/northern/southern/western/eastern)

Temperature: _____

Chance of rain: _____

Weather:

What to pack for your trip: _____

參考答案：

回答時必須提到下列幾點：

1. 描述提示卡中的天氣狀況，例如：八分位表所代表的天氣狀況、氣溫、降雨機率等。
2. 根據提示卡中的天氣狀況提出旅遊建議，例如：是否該帶雨具或該帶長袖、長褲或短袖、短褲選擇要或不要的理由，理由必須以文本及提示卡中所提到的天氣細節為依據。
3. 參考答案如下：

It is mostly sunny in Taoyuan today. The highest temperature is 23 ° C. It's quite comfortable. However, you should take an umbrella or a raincoat with you because it is going to rain tomorrow. Besides, it will be hot tomorrow, so there is no need for you to bring heavy clothes.

❖ 【差異化設計】綜合任務：

1. 學生可以選擇自己喜歡的縣市，上中央氣象局的英文網頁搜尋該縣市的天氣狀況並填入表格中。
2. 根據在中央氣象局網頁所查到的天氣資料，決定旅行時要帶的衣物，完成表格。
3. 口頭說明天氣狀況，並解釋自己準備衣物的原因及理由。
4. 答案範例如下：

City/County: Tainan

Location: Southern Taiwan / outlying island
(central/northern/southern/western/eastern)

Temperature: 23-28 ° C

Chance of rain: 10%

Weather:

 It's mostly sunny.

What to pack for your trip: a cap, a T-shirt, shorts,
