



Sarasas Witaed Chiang Mai School
6th QC Study Questions (Bilingual)
Semester 2 Academic Year 2018
Mathayom 5 Gifted

Language:

1. Why do we use substitution for in the English language?
- a. For informal purposes
 - b. Because English can be difficult to understand
 - c. Because it sounds good

d. To avoid repetition

Select the correct **alternative way to refer to the future** to complete the sentence.

2. I'm seriously _____ moving to Chiang Mai.

a. thinking of b. about to c. due to d. suppose to

Indicate whether it the description below is indicating a **report, article, neither** or **both**.

3. To mostly entertain the reader.

a. both **b. article** c. report d. neither

Select the correct meaning to the **metaphor** from the multiple choice answers below.

4. 'My dad is a road hog.'

a. Won't allow anyone else through on the road

- b. There was a hog on the road
- c. Uses all the road
- d. My dad likes eating bacon while driving

Look at the sentence below and indicate whether it is **future perfect, future**

continuous, past perfect or **past continuous**

5. At nine o'clock, I will be meeting my colleagues for a meeting.

a. Future continuous b. Future perfect
c. Past perfect d. Past continuous

Mathematics:

1. $\sec\theta$ is equal to

- a. $\frac{1}{\csc(x)}$ b. $\frac{1}{\cos(x)}$ c. $\frac{\sin(x)}{\cos(x)}$ d. $\frac{1}{\sin(x)}$

2. What is $\sin^2(x) + \cos^2(x)$ equal to?

- a. π b. $\frac{\sin(x)}{\cos(x)}$ c. **1** d. x^2

3. $\frac{\cot(x)}{\cos(x)}$ is equal to?

- a. $\cos(x)$ b. $\sin(x)$ c. $\sec(x)$ d. **$\csc(x)$**

4. What is $\sin^2(x) + \cos^2(x) = 1$ divided by $\sin^2(x)$?

- a. $\sin^2(x) + \cos^2(x) = 1$ b. **$1 + \cot^2(x) = \csc^2(x)$**
c. $1 + \tan^2(x) = \sec^2(x)$ d. $1 = \cot^2(x)$

5. $\frac{\sin(x)}{\cos(x)}$ is equal to

- a. **$\tan(x)$** b. $\cot(x)$ c. $\sec(x)$ d. $\csc(x)$

Science :

1. The process of heating milk to 72°C for 15 seconds or 63°C for 30 seconds is called _____.

- a. dehydration b. bleaching c. **pasteurization** d. coloring

2. _____ are used to slow down the oxidation of fats.

- a. emulsifiers b. **antioxidants** c. bleach d. sweetener

3. _____ involves removing all the air from the packaging.

- a. freezing b. dehydration c. chilling d. **vacuum packing**

4. _____ the food in a refrigerator between 0°C to 5°C.

- a. freezing b. **chilling** c. canning d. irradiating

5. _____ is an example of sweeteners.

- a. MSG b. **aspartame** c. Vitamin C d. gum