

Literacy for the UAE

Mathematical Literacy Practice Problems

Academic Year 2020 - 2021

Cycle 3 – G9 & G10

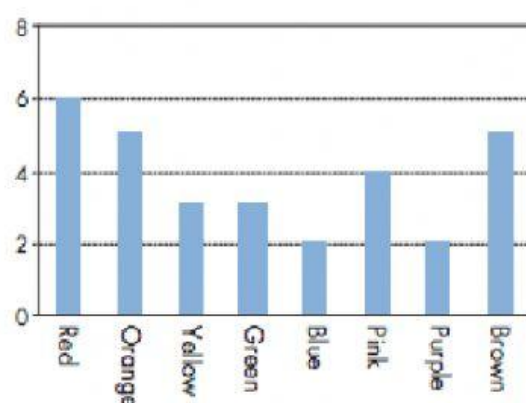
Week 5

Term 2



Week 5 C3 T2		Mathematical Literacy Problems		
Grade	9+10	Skills	Employ 21 st Century Skill – Information Use	
Difficulty level	Medium Hint: Watch this video	Question	الحلوى الملونة Coloured Candies	1

MATHEMATICS UNIT 14: COLOURED CANDIES



QUESTION 14.1

Robert's mother lets him pick one candy from a bag. He can't see the candies. The number of candies of each colour in the bag is shown in the following graph.

What is the probability that Robert will pick a red candy?

- A. 10%
- B. 20%
- C. 25%
- D. 50%

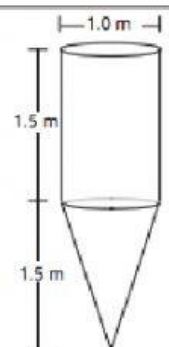


Week 5 C3 T2		Mathematical Literacy Problems		
Grade	9+10	Skills	Evaluate & Interpret 21 st Century Skill – Information Use	
Difficulty level	Difficult	Question	خزان الماء	2
			Water Tank	

MATHEMATICS UNIT 36: WATER TANK**QUESTION 36.1**

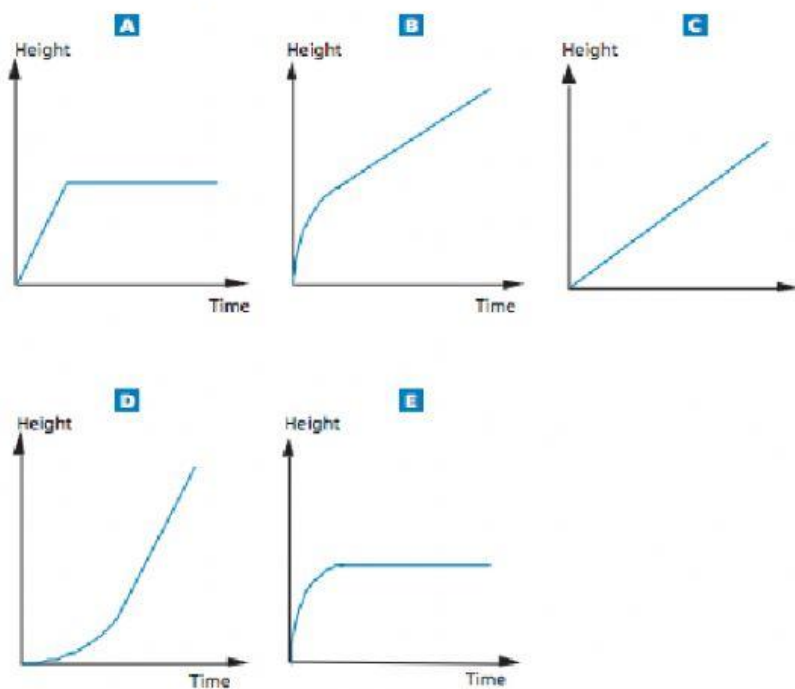
A water tank has shape and dimensions as shown in the diagram.

At the beginning the tank is empty. Then it is filled with water at the rate of one litre per second.



Water tank

Which of the following graphs shows how the height of the water surface changes over time?





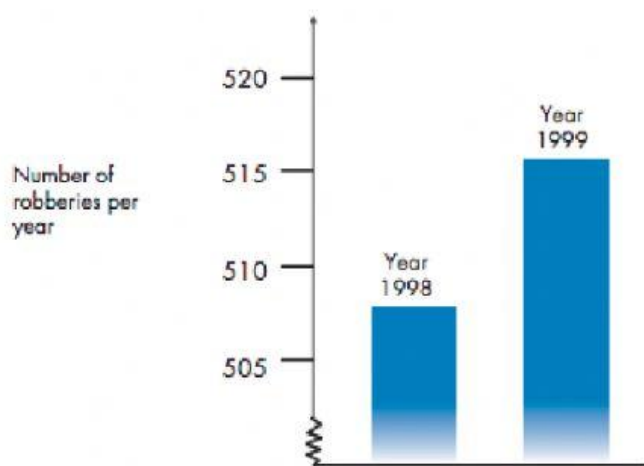
Week 5 C3 T2		Mathematical Literacy Problems	
Grade	9+10	Skills	Evaluate and Interpret 21 st Century Skill – Information Use
Difficulty level	Medium	Question	السراقات Robberies
			3

MATHEMATICS UNIT 9: ROBBERIES

QUESTION 9.1

A TV reporter showed this graph and said:

"The graph shows that there is a huge increase in the number of robberies from 1998 to 1999."



Do you consider the reporter's statement to be a reasonable interpretation of the graph? Give an explanation to support your answer.
