

PRE-READING

Look at the pictures and read the title of the lesson.

1. Use the words in the box to describe the colours of the shapes in picture 1.

yellow - blue - purple - green - red

- a) _____ is the colour of the cone.
 b) The cube is _____ in colour.
 c) The sphere is _____.
 d) The cylinder has a _____ colour.
 e) The colour of the pyramid is _____.



2. Complete these statements. Discuss your answers in class.

- a) The three shapes you can see in picture 2 are the _____, the _____ and the _____.
 (circle / square / rectangle / triangle / star)
 b) What colour are they?
 c) The new shape in picture 3 is the _____. (star / circle / rectangle)

Picture 2



Picture 3



The three friends finished their drinks, or rather their first ones. Saud and Humood are having their second ones. They talked about a lot of different things, but now they're returning to the maths problem - the homework set by Dr. Ali Kanso.

This problem was how to find out the size and volume of the cafeteria area, up to the first floor. The first floor is where English teachers have their offices.

The students need to calculate only the approximate size and volume, but they have to demonstrate how they made the calculations. This is what they are now doing.



Working out the problem - beginning with what you know

Saud Let's get on with this maths problem - then we can get on with English.

Anwar Yes. If we can finish it now, we won't have to do it at home.

Humood Right. What does Dr. Kanso want? What does he always say about how to solve these sorts of problems?

Saud Usually, 'do it yourself'.

Humood Yes, but how do you do it yourself? The first thing is to state the problem - write it out. Then think about what we know and what we don't know.

Anwar Oh yes, and then get some kind of answer. Not the exact one, but one near it.

Humood Right, so what is the problem? We need to calculate the volume of the cafeteria up to the height of the floor where the English department is located.

Anwar Yes, and to do this we need to have the height, the length and the width or breadth of the cafeteria floor area. That is the difficult part. It's not square, it's not even rectangular.

Humood No, you're right. But, the important thing is what do we know? What can we use to help us? Any ideas? Look around you. On the floor, on the walls.

Anwar Those square things.

Saud The tiles? What about them?

Anwar I know. We can easily get their size because they are just squares or rectangles. Each one is simple to measure.

Humood Exactly. We can use the ones on the floor to get the floor area, and those on the walls to get the height we need. Then, we do the rest of the calculation.

Saud Brilliant. Now, who's going to count all the tiles?

VOCABULARY & UNDERSTANDING

1. Answer the questions in the table below based on the Reading text. Tick (✓) the correct boxes.

WHO SAID ...	Humood	Anwar	Saud
Let's start with the mathematics problem first; and do English next?			
Dr. Ali Kanso usually asks the students to solve the problems themselves?			
Let's get an approximate answer to the problem?			
We need to have the dimensions of the cafeteria floor area?			
The tiles are simple to measure because they are just squares or rectangles?			

2. Unscramble the following sentences.

Example - different - about - they - things - talked They talked about different things.

a) to - have - homework - do - you

b) help - can - us - who?

c) the - going - who - count - to - is - tiles?

COMPREHENSION CHECK

1. Answer these questions about the conversation.

a) Who set the maths homework?

b) What is the problem that the students have to solve?

c) Does Saud have the best ideas for solving the problem?

d) Do the students need to find the exact volume or the approximate volume of the space?

2. Identify the meanings of these words and expressions from the conversation.

a) On line 18 Saud says 'Let's get on with ...!' To whom is he referring?

b) On line 29 Humood says 'No, you're right.' To whom is he speaking?

c) At the end of the same line Humood asks 'Any ideas?' Can you make this a complete question?

LANGUAGE FOCUS

1. Read these two sentences from the Reading text. They are in the Present Continuous. They tell us what is happening now or around now.

- a) Now they're returning to the maths problem.
- b) This is what they are now doing.

Write the correct form of the verb in the following sentences. All verbs should be in the Present Continuous. The first one is an example.

- a) Dr. Al-Shaikh is flying to Jeddah for a two-day conference. (fly)
- b) The Dean can't see you. He _____ with the Prince. (meet)
- c) She can't answer her mobile phone. She _____ . (pray)
- d) We are too busy. We _____ dinner. (cook)
- e) I _____ to the teacher who _____ the lesson. (listen, explain)

Change the above sentences into Yes/No questions. The first question is an example.

- a) Is Dr. Al-Shaikh flying to Jeddah for a two-day conference?
- b) _____ ?
- c) _____ ?
- d) _____ ?
- e) _____ ?

2. 'Rectangular' is the adjective of the noun 'rectangle'. What are the adjectives of the following words?

- a) A square _____
- b) A circle _____
- c) A cylinder _____

3. Find three adjectives from the Reading text and write them below.

4. Find the 'nouns' in the Reading text that these adjectives describe and write them both.
e.g. *different things* / on line 4.

- a) _____
- b) _____
- c) _____