SCAT

Intermediate

Sample

Test

Quantitative battery

1. Which column is bigger?
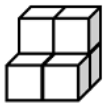
Column A	**Column B**
The volume of	The volume of

A. Column A is greater
B. Column B is greater
C. The two parts are equal
D. Not enough information is given

2. Which column is bigger?

Column A	Column B
The time it will be in 1 hour and 20 minutes	2:45

   A. Column A is greater
   B. Column B is greater
   C. The two parts are equal
   D. Not enough information is given

3. Which column is bigger?

Column A	Column B
1^n	n^1

   A. Column A is greater
   B. Column B is greater
   C. The two parts are equal
   D. Not enough information is given

Verbal Battery

1. The given pair of words is related to each other in a certain way. Choose the pair of words that is related to each other in the same way.

   Persuade : convinced ::

   A. exhausted : anxious
   B. hesitate : presist
   C. tolerate : endure
   D. heal : cured

2. The given pair of words is related to each other in a certain way. Choose the pair of words that is related to each other in the same way.

   Guitar : strings ::

   A. cello : wood
   B. piano : keys
   C. violin : bow
   D. drums : music

3. The given pair of words is related to each other in a certain way. Choose the pair of words that is related to each other in the same way.

   Frequent : often ::

   A. influence : effect
   B. scarce : rich
   C. soon : never
   D. escalate : hostile

Solutions and Explanations

Quantitative

1. The correct answer is **B**.

   Count the cubes to find the volume of each shape. Remember while counting the cubes that some cubes are hidden behind other cubes. Therefore it is best to count the cubes by layers.
   In column A we have 4 cubes in the bottom layer. Notice however that we only see 3. In the top layer we have 2 cubes. That means that the figure in column A has 4+2 = 6 cubes.
   In column B we have 5 cubes on the bottom layer. Notice however that we only see 4. In the top layer we have 2 cubes. That means that the figure in column B has 5+2 = 7 cubes.
   Therefore, the volume of the shape in column B (7 cubes) is bigger than the volume of the shape in column A (6 cubes), and B is the correct answer.

2. The correct answer is **C**.

   First, we look at the clock. The time on the clock is 1:25. In order to calculate the time in column A we need to add 1 hour and 20 minutes. First, we count another hour after 1:25. That is 2:25. Now we add 20 minutes. That is 2:45 (25+20=45). The part in column A (2:45) is the same as the part in column B (2:45), **therefore, the correct answer is C.**

3. The correct answer is **(D).**

   In column A, for any n, $1n = 1$. It doesn't matter if n is a positive or negative number, fraction or integer, $1n$ is always 1.
   In column B, we don't have enough information. If n is a negative number, or if $n = 0$, then column A would be greater than column B; if $n = 1$ then both parts will equal (1).
   Therefore, there is not enough information, and the correct answer is D.

Verbal

1. The correct answer is: **heal : cured.**

   When you persuade someone, he becomes convinced, as when you heal someone, he becomes cured.

2. The correct answer is: **piano : keys.**

   Keys are the part of the piano which are played to make music just as strings are the part of the guitar which are played to make music.
   Violin : bow is incorrect because the bow is not the part of the violin that is played, but is used to play the strings of the violin.

3. The correct answer is: **influence: effect**.

   The words frequent and often are synonyms, meaning occurring on many occasions. The words influence and effect are also synonyms for each other, meaning the result or impact of an action or situation.