

# نموذج "تجريبي" لأسئلة مقياس الموهوبون العرب



## (Level 3)

### First: Verbal Reasoning and Reading Comprehension

1. Choose the pair of words that shows the same relationship as that of the pair of words in **BOLD**.

**MONEY : GOODS**

- A sea -ship
- B key- knob
- C wood- saw
- D ticket- travel

2. Fill in the space with a word that completes the sequence showing the same relationship as in the words above the line.

CHILD - TEENAGER - YOUTH  
**STUDYING - ..... - SUCCEEDING**

- A teaching
- B writing
- C listening
- D learning

3. If iron is heavier than sand and stones heavier than soil but lighter than sands. Which one of them is the lightest?

- A iron
- B sands
- C stones
- D soil

4. My neighbour grows in her garden different flowers such as lily, Jasmine and "cloo". Thus, "cloo" .....

- A is fast growing
- B is highly priced
- C smells good
- D tastes good

5. I have been reading about education systems in the best 20 countries. I found them to be serious and successful. I became convinced that failure education in any society is due to lack of strategy.

According to the above paragraph, which of the following is correct?

- A seriousness damages education
- B compromise in education is beneficial
- C education has natural quality
- D seriousness increases the quality of education

## Second: Mathematical and Spatial Reasoning

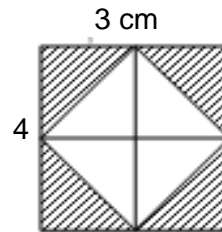
1. The product of two numbers is 900. Their sum is greater than their difference by 30.

What is the largest number?

- |   |    |   |    |
|---|----|---|----|
| A | 15 | B | 30 |
| C | 45 | D | 60 |

2. In the following figure, the total area of the shaded parts (in  $\text{cm}^2$ ) is:

- A          6                  B
- 8
- C          12                 D
- 14



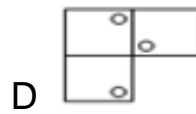
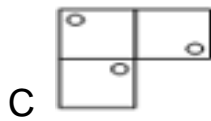
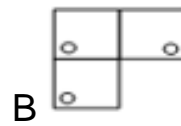
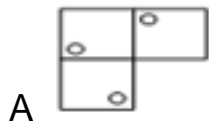
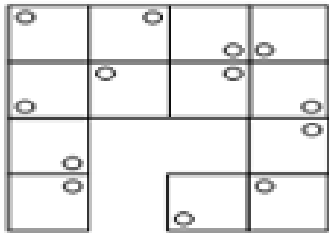
3. A cylindrical jar contains three glass balls each has a diameter of 2cm and their surfaces touch the inner side of the jar as shown below.

What is the volume of the gap in the jar?

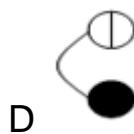
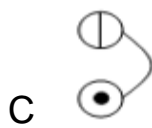
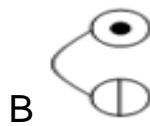
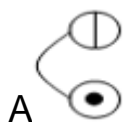
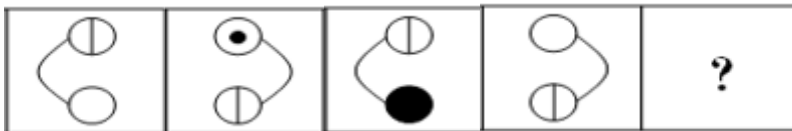
- A           $\pi$                       B           $2\pi$
- C                   $3\pi$                       D           $4\pi$



4. What is the missing piece in the following shape?

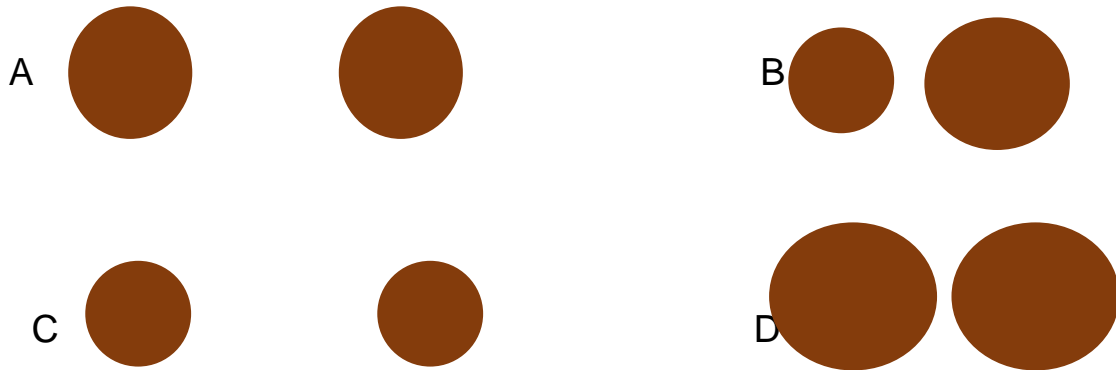


5. Which shape should replace the question mark?



### Third: Science and Mechanical Reasoning

1. If all the following bodies are of the same matter, in which of them is the force of attraction the strongest?



2. Which of the following represents a periodic change?

- A the growth of a child
- B earthquakes
- C storms
- D sea waves

**3. Why some volcanic rocks are porous (containing holes)?**

- A rocks contain gas bubbles during formation
- B rain causes holes in these rocks
- C small stones hit these rocks before they get cooled
- D insects use these rocks before they become hard

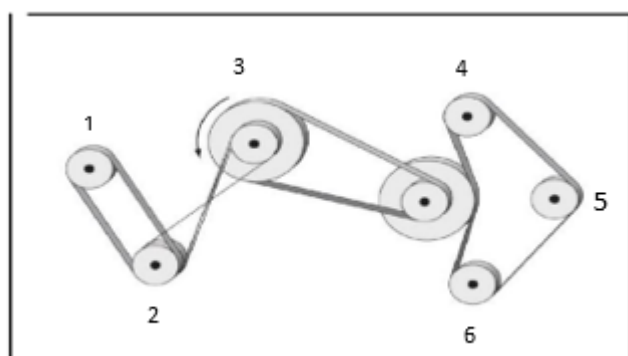


**4. An experiment is carried out to investigate that a certain quantity of table salt dissolves more rapidly in hot water. The main variable in this experiment is.....**

- A process of salt dissolution
- B degree of temperature
- C quantity of salt
- D quantity of solvent

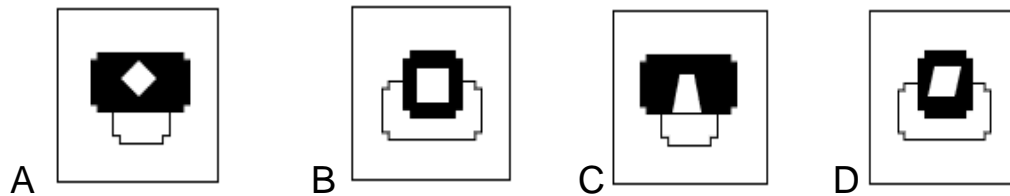
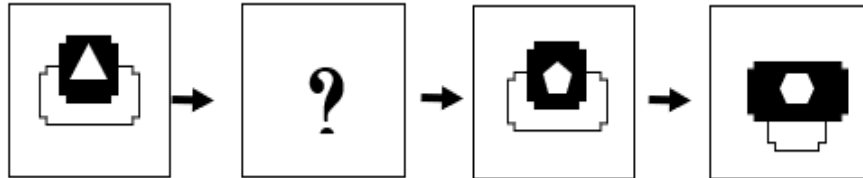
**5. If pulley (3) moves in the direction of the arrow (anticlockwise) as shown below, how many pulleys will rotate in the opposite direction (clockwise)?**

- A 3
- B 4
- C 5
- D 6



## Fourth: Mental Flexibility

1. What shape should replace the question mark in the following pattern?



2. The following question has one word followed by four pairs of words. Choose the pair that relates to this word.

### ORANGE

- A pineapples - bananas
- B cucumbers – tomatoes
- C figs - dates
- D apples - grapes



**3. A school bus transports 40 students every morning to their school. At the end of the school year, the number of students started to decrease at a rate of 10% of the students' total number each day. In which day their number will become 16?**

- A fourth
- B fifth
- C sixth
- D seventh

**4. My friend Khalid left his home in Riyadh to visit a certain capital city. After two days he called me, I told him that I was taking my lunch. He said I just finished taking my dinner. Which of the following capitals can we say that Khalid is calling from?**

- A Jakarta
- B Abu Dhabi
- C Rabat
- D London

**5. A frog fell in a water well that is 32 meters deep. It tried to leave the well by climbing 2 meters at daytime, but slipping 1 meter at night. In how many days will it be able to come out?**

- A 29
- B 30
- C 31
- D 32