Sample Mechanical Reasoning Assessment

1. Which person must pull harder to lift the weight? (If no difference, mark C.)

2. When the left-hand gear turns in the direction shown, which way does the right-hand one turn? (If either, mark C.)

3. Which measure is marked properly?

4. Which shaft will turn most quickly?
5. A

In which picture will the scales read lower (less weight)?
(If equal mark C.)

B

6. Where should a chain be attached to hold up the sign?
(If either, mark C.)

7. Which system will let the most water run out?

A  B  C
8. Which weighs most?

A

B

C

9. Which diagram shows two 6-volt batteries connected to give 12 volts?

A

B

C

10. Off which side of the road is the car least likely to skid? (If no difference, mark C.)
**Answers**
1-B; 2-A; 3-C; 4-A; 5-A; 6-B; 7-B; 8-B; 9-A; 10-B

**For further study** you should look for a test preparation study book in the school or public library for preparing for Mechanical Reasoning, also called Mechanical Aptitude, tests. This subject is sometimes included as part of a larger test study kit for IQ or vocational aptitude testing, such as DAT (Differential Aptitude Testing). The one our students recommend is:

**BF 433 .M4 L668 1996**
Arco mechanical aptitude and spatial relations test / Joan U. Levy, Norman Levy. Levy, Joan U.

**ISBN:** 978 076 890 7094  
**LC Call Number:** BF 433 .M4 L668 1996  
**Personal Author:** Levy, Joan U.  
**Title:** Arco mechanical aptitude and spatial relations tests / Joan U. Levy, Norman Levy.  
**Edition:** 5th Revised Edition  
**Publication info:** New York, NY: Macmillan, 1996  
**Physical Description:** 277 p.; illustration  
**Subject term:** Mechanical ability-Examinations, questions, etc.  
**Subject term:** Reasoning (Psychology) – Examinations, questions, etc.  
**Added author:** Levy, Norman  

Ask a librarian for help locating what you need. These books are also available in bookstores. The internet has much information on mechanical reasoning as well.