

Name: _____

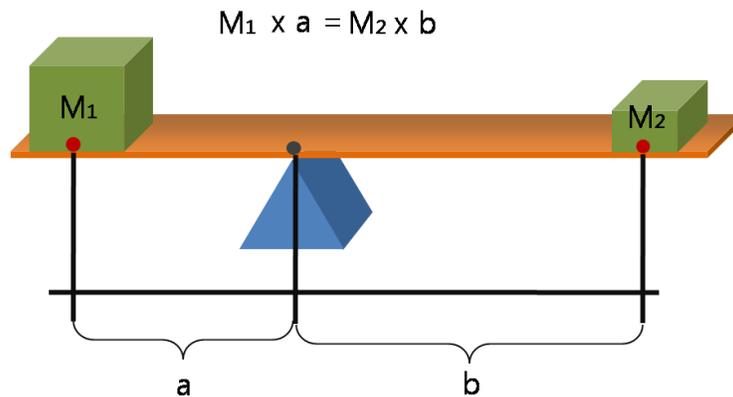
Grade: _____

07 UAS Aircraft Maintenance Quiz

(Circle your correct answer selection)

1. How much weight is needed at M2 to achieve balance?

M1 is 5 M2 is ? [a] is 2 [b] is 5



A: 10

B: 5

C: 2

2. Scheduled maintenance should be performed in accordance with the:

A. manufacturer's suggested procedures

B. stipulations of 14 CFR Part 43

C. contractor requirements

3. Factors which can reduce effective flight range include all except:

A: Time of Day

B: Altitude

C: Temperature

D: Wind

4. Indications that a Li-Po Battery should be replaced include:

- A: Expiration date
- B: Swelling
- C: Heat
- D: All of the above

5. The responsibility for ensuring that a sUAS is maintained in an airworthy condition is primarily that of the

- A. owner or operator.
- B. remote pilot in command.
- C. mechanic who performs the work.

6. The internal programming of the aircraft is controlled by:

- A: Software
- B: Hardware
- C: Firmware
- D: Silverware

7. A CHP helicopter was forced to abandon a stolen vehicle search Saturday after narrowly avoiding a mid-air collision with a drone. Owen Ouyang, a foreign exchange student from China, who is also studying to be a pilot, had set the lost connection default altitude to 750 ft because if it lost connection (which it did) he "did not want the drone ... to hit a building and fall..." Two minutes after launching the drone, the iPad controlling it went black. Ouyang suspects interference from power lines.

What did the Chinese student do wrong that caused a near collision with the CHP helicopter?

- A: Flew his drone too close to a CHP helicopter
- B: Failed to maintain Line of Sight
- C: Set the lost connection RTH altitude to 750 ft
- D: His controller lost connection

8. What should the first thing on the after-flight check list?

- A: Safely storing the battery
- B: Visual Inspection of the aircraft
- C: Checking the battery charge level
- D: Replacing any damaged props

9. Unbalanced weight distribution in a UAV

- A: decreases battery drain increases control
- B: increases motor heating and battery drain
- C: decreases stability and increases battery drain
- D: creates instability