Technical English Unit 1.3. OPERATIONS. **SURNAME NAME GROUP**

TASK 1. Match the operation terms (1-9) with their meanings (a-i).

1. Attach:	a) To secure two or more objects together firmly and securely, usually using screws, nuts, bolts, or other fasteners.
2. Turn:	b) To fill an object, such as a balloon or tire, with air or gas until it expands and becomes fully pressurized.
3. Fasten:	c) To join or link two or more components or devices together, allowing them to communicate or function together as a single unit.
4. Inflate:	d) To join or fix one object to another, typically using screws, bolts, or adhesive, to ensure they remain connected.
5. Connect:	e) To turn or spin an object around its axis or center point, often to change its orientation or direction.
6. Release:	f) To make something more secure or firm by applying force to reduce any looseness or slack, usually by turning screws, bolts, or nuts clockwise.
7. Rotate:	g) To rotate or twist an object around its axis or pivot point, often to adjust its position or to activate a mechanism.
8. Tighten:	h) To move smoothly and easily in a particular direction along a surface, often without lifting or separating from it, usually facilitated by low friction or lubrication.
9. Slide:	i) To free or detach an object or mechanism from its fixed position or restraint, allowing it to move or operate independently.

TASK 2. Words highlighted in green are rearranged by places in the sentences. Write the correct words near them.

1. Following the manufacturer's instructions, the operator inserted _____ the components in the correct order.
2. Before fastening the screws, you should rotated _____ pilot holes to prevent splitting the wood.

3. With a swift push, the technician assembled _____ the circuit board into the slot on the motherboard.
4. The mechanic filled _____ the tension of the belt to ensure the smooth operation of the machinery.
5. To assemble the furniture, follow the instructions carefully and fastened _____ all pieces are aligned correctly.
6. To calibrate the machine, the technician drill _____ the dial to the specified setting and adjusted the parameters accordingly.
7. Using a wrench, the mechanic ensure _____ the bolts securely to assemble the metal framework.
8. The technician adjusted _____ the hydraulic system with fluid to ensure optimal performance.

TASK 3. Fill in the gaps with the most appropriate action from the list.

- **Weld**
- **Measure**
- **Inflate**
- **Power up**
- **Load**
- **Rotate**
- **Touch**
- **Plug**
- **Wind**
- **Position**

1. _____ the sensor to activate the automatic door mechanism.
2. _____ the chair next to the desk for ergonomic comfort.
3. _____ the computer by pressing the start button.
4. _____ the groceries into the shopping cart at the supermarket.
5. _____ the balloon with helium for the party decorations.
6. _____ the rope around the pulley to lift the heavy object.
7. _____ the knob clockwise to increase the volume.
8. _____ the dimensions of the room before installing the furniture.
9. _____ the vacuum cleaner into the power outlet to begin cleaning.
10. _____ the metal pieces together to create a strong bond.

TASK 4. Choose the correct verb to fill in the gaps in the sentences describing a set of operations.

Blowing up a Beach Ball:

Adjust	Replace	Remove	Locate	Pump	Attach

1) _____ the air valve on the beach ball.
2) _____ the plug or cap from the air valve.
3) _____ the pump nozzle to the valve.
4) _____ air into the beach ball to inflate it.
5) _____ the firmness of the ball by controlling the pumping pressure.
6) _____ the plug or cap in the air valve once inflation is complete.

TASK 5. Put the procedures for your work with a fire hydrant in the emergency of fire in the correct order.

a) _____**Control Water Flow:** Control the flow of water by adjusting the valves on the fire apparatus. Firefighters can regulate the water flow to match the needs of the firefighting operation, whether it involves extinguishing flames or protecting structures.

b) _____ **Locate Nearby Hydrants:** Identify the closest fire hydrants to the location of the fire or emergency.

c) _____**Shut Down Hydrant:** Once the firefighting operation is complete, close the valve on the fire hydrant by turning it clockwise with the hydrant wrench. Ensure that the valve is fully closed to prevent water wastage and maintain the integrity of the hydrant.

d) _____**Charge Hose Lines:** Once the hoses are connected, charge (or pressurize) the hose lines by opening the valves on the fire apparatus. This allows water to flow from the hydrant through the hoses and to the firefighting equipment.

e) _____**Open Hydrant Valve:** Use a hydrant wrench to open the valve on the fire hydrant. Turn the valve counterclockwise to fully open it and allow water to flow into the firefighting hoses.

f) _____**Monitor Pressure:** Monitor the water pressure from the hydrant to ensure an adequate supply for firefighting activities. Firefighters may adjust the hydrant valve or the apparatus valves to maintain optimal pressure levels.

g) _____**Attach Hose Connections:** Connect firefighting hoses from the fire apparatus to the outlets on the fire hydrant. Ensure that the connections are secure to prevent leaks or disconnections during operation.

Task 6. Listen to a demonstration of a life raft and complete the notes about the life raft:

03 Listen again and complete the notes about the life raft.

1 **Construction:** inflated canopy (to keep out the water); _____ floor and canopy (to keep the occupants warm); water-_____ lights on canopy; system for collecting _____

2 **Inflation:** inflation triggered _____; _____ buoyancy chambers inflated, to make the _____ of the raft; inflation forces _____ the carrying bag; inflation time: _____

3 **Stabilisation:** _____ chambers fill with water; upper chamber fills through portholes in the chamber _____; _____ chamber fills through a _____ valve, which _____ water in, but not out.

4 **Survival:** people in life rafts have survived hurricane conditions without capsizing (waves of > _____ metres, winds of > _____ kph). If capsizing occurs, life raft self-_____ immediately.