

Skill Sheet 12-I-8

Objective 22: Raise a ladder — One-firefighter method. (*NFPA® 1001, 5.3.6*)

Student Name: _____ **Date:** _____

Directions

For this skills evaluation checklist, students will raise a ladder using the one-firefighter method. This skill sheet covers steps for both the single ladder and the extension ladder. Students should carry the ladder to the desired location for the raise.

Equipment & Materials

- 10-14 foot (3-4 m) roof or single ladder
- Extension ladder
- Appropriate PPE

Criteria & Evaluation Comments

Criteria (determined by the AHJ)

After the candidate has completed the skill sheet, write comments below.

Evaluator/Candidate Comments

Pass

Fail

Evaluator Signature

Date

Student Signature

Date

Skills Evaluation Checklist

Objective 22: Raise a ladder — One-firefighter method.

NOTE: Firefighters must be wearing appropriate PPE before performing this skill.

Task Steps		Yes	No
Single Ladder – Beam Method			
1.	Visually inspect the work area. a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions		
2.	Lower the ladder butt to the ground. a. Rotate the ladder on the spur until beams are parallel to the building b. Raise the ladder up against the wall c. Grasp the rungs and pull the butt end away from the wall until it is at a 75 degree climbing angle d. Finish positioning the ladder by adjusting the butt to where it is needed		
3.	Position yourself to raise the ladder. a. Grasp rung in front of your shoulder with free hand b. Remove other arm from between the rungs c. Step beneath ladder and grasp convenient rung with free hand		
4.	Bring the ladder upright until it rests against the building. a. Advance toward the butt end		
5.	Carefully move the ladder butt end out from the building to the desired climbing angle. a. Push against an upper rung b. Pull a lower rung		
6.	Lower the ladder, reversing the raising procedure.		

Task Steps		Yes	No
Single Ladder – Flat Method			
1.	Visually inspect the work area. a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions		
2.	Butt both spurs against the wall.		
3.	Position yourself to raise the ladder. a. Grasp rung in front of your shoulder with free hand b. Remove other arm from between the rungs c. Step beneath ladder and grasp convenient rung with free hand		
4.	Bring the ladder upright until it rests against the building. a. Advance toward the butt		
5.	Carefully move the ladder butt out from the building to the desired climbing angle. a. Push against an upper rung b. Pull a lower rung		
6.	Lower the ladder, reversing the raising procedure.		

Task Steps		Yes	No
Extension Ladder – Beam Method			
1.	Visually inspect the work area. a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions		
2.	Lower the ladder butt to the ground.		
3.	Position yourself to raise the ladder.		
4.	Bring the ladder upright until it rests against the building. a. Advance hand-over-hand b. Toward the butt		
5.	Pull the ladder away from the building until in vertical position. a. Grasp a convenient rung with both hands b. Heel ladder		
6.	Balance ladder in a vertical position. a. One foot at butt of one beam b. Ladder steadied with instep, knee, and leg		
7.	Extend the fly section. a. To desired elevation b. Use hand-over-hand motion on halyard c. Pull halyard straight down d. Maintain ladder balance		
8.	Engage the ladder locks at the desired elevation.		
9.	Pivot the ladder if necessary until the fly faces out.		
10.	Lower the ladder against the building. a. Grasp beams b. One foot against a butt spur or on bottom rung c. Gently		
11.	Tie off the halyard. a. Wrap around two convenient rungs b. Tie clove hitch c. Tie half-hitch or overhand safety on top of clove hitch		

Task Steps		Yes	No
12.	Carefully move the ladder butt out from the building to the desired climbing angle. a. Push against an upper rung b. Pull a lower rung c. Until at proper angle for climbing		
13.	Secure the ladder for climbing.		
14.	Lower the ladder, reversing the raising procedure.		

Task Steps		Yes	No
Extension Ladder – Flat Method			
1.	Visually inspect the work area. a. Terrain for solid, level footing b. Overhead for electrical wires and obstructions		
2.	Butt both spurs against the wall.		
3.	Position yourself to raise the ladder. a. Grasp rung in front of your shoulder with free hand b. Remove other arm from between the rungs c. Step beneath ladder and grasp convenient rung with free hand		
4.	Bring the ladder upright until it rests against the building. a. Advance hand-over-hand b. Toward the butt		
5.	Pull the ladder away from the building until in vertical position. a. Grasp a convenient rung with both hands b. Heel ladder		
6.	Balance ladder in a vertical position. a. One foot at butt of one beam b. Ladder steadied with instep, knee, and leg		
7.	Extend the fly section. a. To desired elevation b. Use hand-over-hand motion on halyard c. Pull halyard straight down d. Maintain ladder balance		
8.	Engage the ladder locks at the desired elevation.		
9.	Pivot the ladder if necessary until the fly faces out.		
10.	Lower the ladder against the building. a. Grasp beams b. One foot against a butt spur or on bottom rung c. Gently		

Task Steps		Yes	No
11.	Carefully move the ladder butt out from the building to the desired climbing angle. a. Push against an upper rung b. Pull a lower rung c. Until at proper angle for climbing		
12.	Tie off the halyard. a. Wrap around two convenient rungs b. Tie clove hitch c. Tie half-hitch or overhand safety on top of clove hitch		
13.	Secure the ladder for climbing.		
14.	Lower the ladder, reversing the raising procedure.		