# Continuing Education for the Fire Fighter

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# Ground Ladders

# Module 3

## Chapter 12

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# LEARNING OBJECTIVES

**Compare procedures for moving ground ladders.**

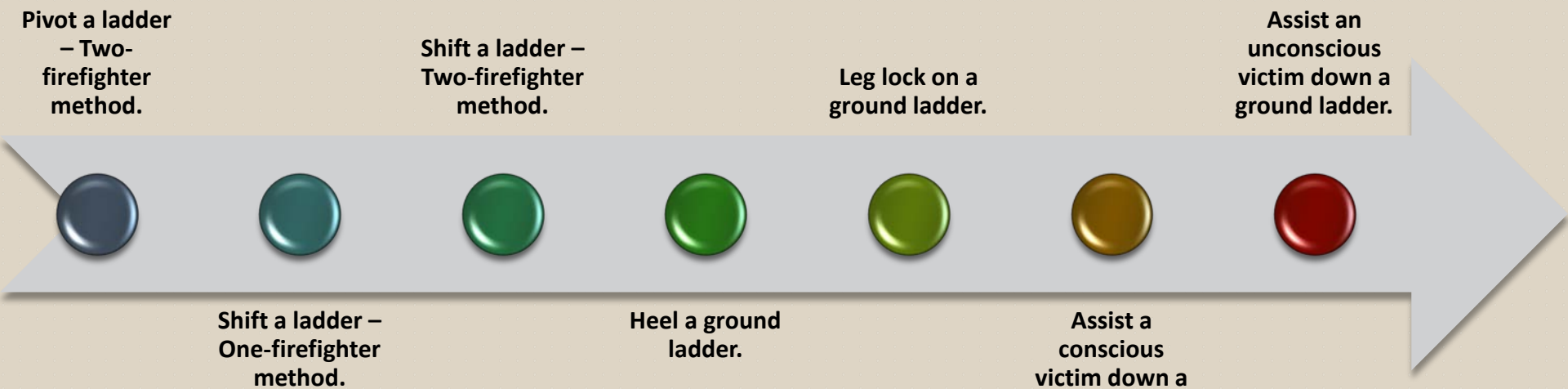
**Explain the methods used to secure ladders.**

**Describe ladder climbing considerations.**

**Indicate what methods can be used to work from a ladder.**

**Explain methods used for assisting a victim down a ladder.**

# LEARNING OBJECTIVES



# TWO FIREFIGHTERS ARE REQUIRED TO PIVOT A LADDER WHEN NEEDED.

# SHIFTING RAISED GROUND LADDERS SHOULD BE LIMITED TO SHORT DISTANCES.

# GROUND LADDERS MUST BE SECURED WHENEVER FIREFIGHTERS ARE CLIMBING OR WORKING FROM THE LADDER.

**Heeling** → **Tying in**

Lock extension ladder locks → Tie halyard with clove hitch, overhand safety → Prevent movement by heeling, securing to nearby firm object

# THERE ARE SEVERAL METHODS THAT CAN BE USED FOR HEELING A LADDER.

# TYING IN SECURES THE LADDER TO A FIXED OBJECT AND SHOULD BE DONE IF POSSIBLE.

# THERE ARE SEVERAL FACTORS TO CONSIDER WHEN CLIMBING LADDERS.

- Smoothly, rhythmically
- Ascend with least amount of bounce, sway
- Climb after angle checked, ladder secured
- Use arms, hands to stop fall if feet slip
- Climb using leg muscles
- Practice climbing slowly to develop form
- May be required to carry equipment up and down

# FIREFIGHTERS MAY BE REQUIRED TO WORK WITH BOTH HANDS WHILE STANDING ON A GROUND LADDER.

# WARNING

Do not exceed the rated load capacity of the ladder. To avoid overloading the ladder, allow only one firefighter on each section of a ladder at the same time. Be careful about stressing ladders laterally.

# WHEN WORKING FROM A LADDER, THE LADDER BELT MUST BE TIGHTLY STRAPPED AROUND YOUR WAIST.

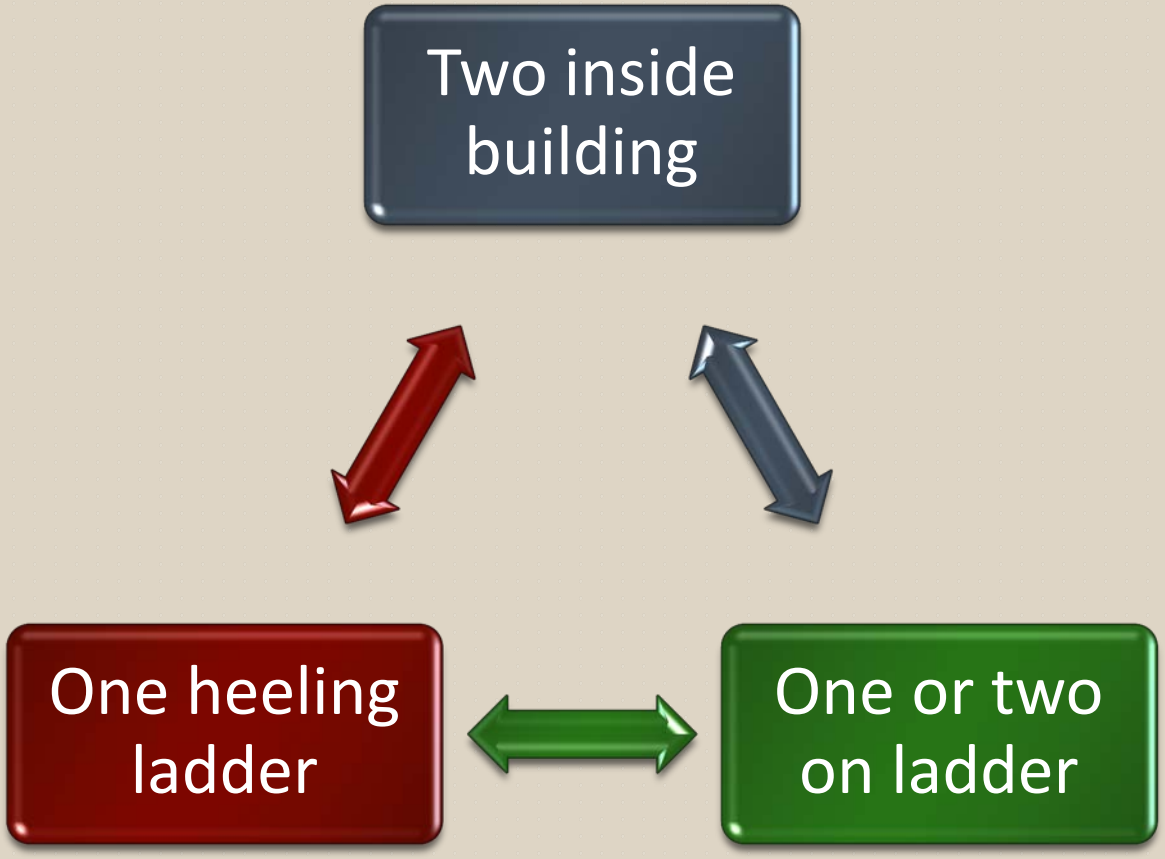
# WARNING

Use a leg lock only when working from a ground ladder. Never use a leg lock on an aerial ladder. Extending or retracting the ladder could result in serious injury.

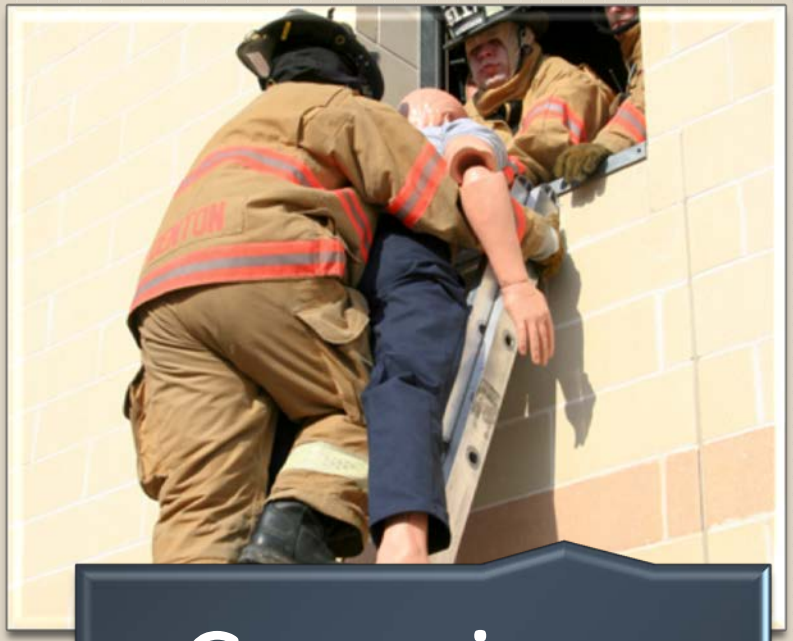
# ASSISTING A VICTIM THROUGH A WINDOW REQUIRES SPECIFIC PLACEMENT.

- Tip raised to just below sill
- Heel
- Remove other loads
- Protect occupants from slipping, falling

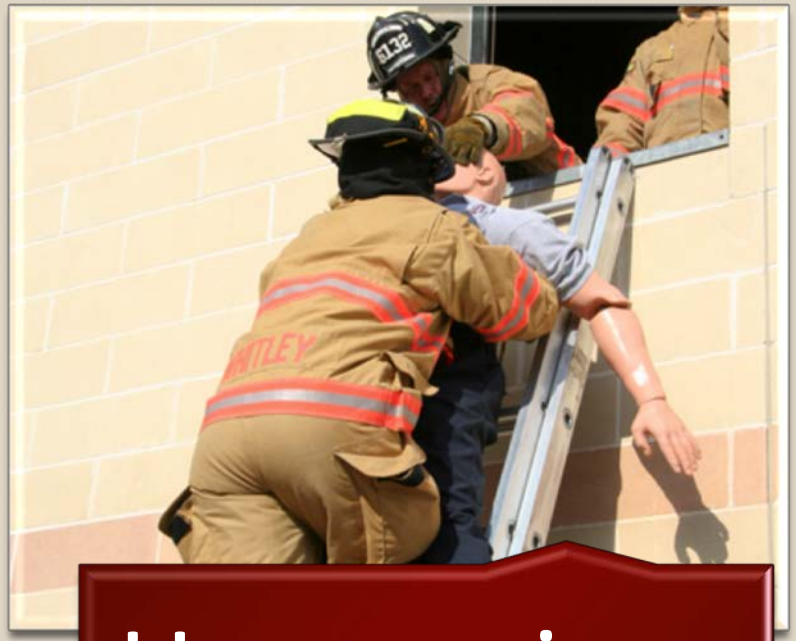
# AT LEAST FOUR FIREFIGHTERS ARE NEEDED TO BRING VICTIMS DOWN THE GROUND LADDER.



# THE METHOD CHOSEN DEPENDS ON WHETHER THE VICTIM IS CONSCIOUS OR UNCONSCIOUS.



Conscious



Unconscious

# VICTIM SIZE ALSO PLAYS A PART IN THE METHOD USED FOR LOWERING.

# SUMMARY

You must know the correct methods for safely climbing, working from, and assisting victims down ground ladders.