

Crew Rating

1. Tie the following knots under duress, and know their function:
 - a. Figure eight knot
 - b. Cleat knot

2. Name and Locate the following parts of a JY15:

boom	bow	centerboard
centerboard control lines	cleats, jam cleats, cam cleats	boom vang
forestay	gooseneck	halyards
hull	jib	jibsheets
mainsail	mainsheet	mast
outhaul	port	starboard
rudder	mainstays (shrouds)	stern
telltale	tiller	transom
traveler	hiking stick	hiking straps

3. Know the capsizing procedure:
 - a. Stay with the boat
 - b. Count your crew
 - c. Move quickly to the centerboard and hang on it to prevent turtleing
 - d. Release sheets from cam cleats as soon as possible (if you have a crew, have them do this while you hang on the centerboard)
 - e. Stand on the centerboard to right the boat
 - f. Climb into the boat and keep it balanced while your crew climbs aboard

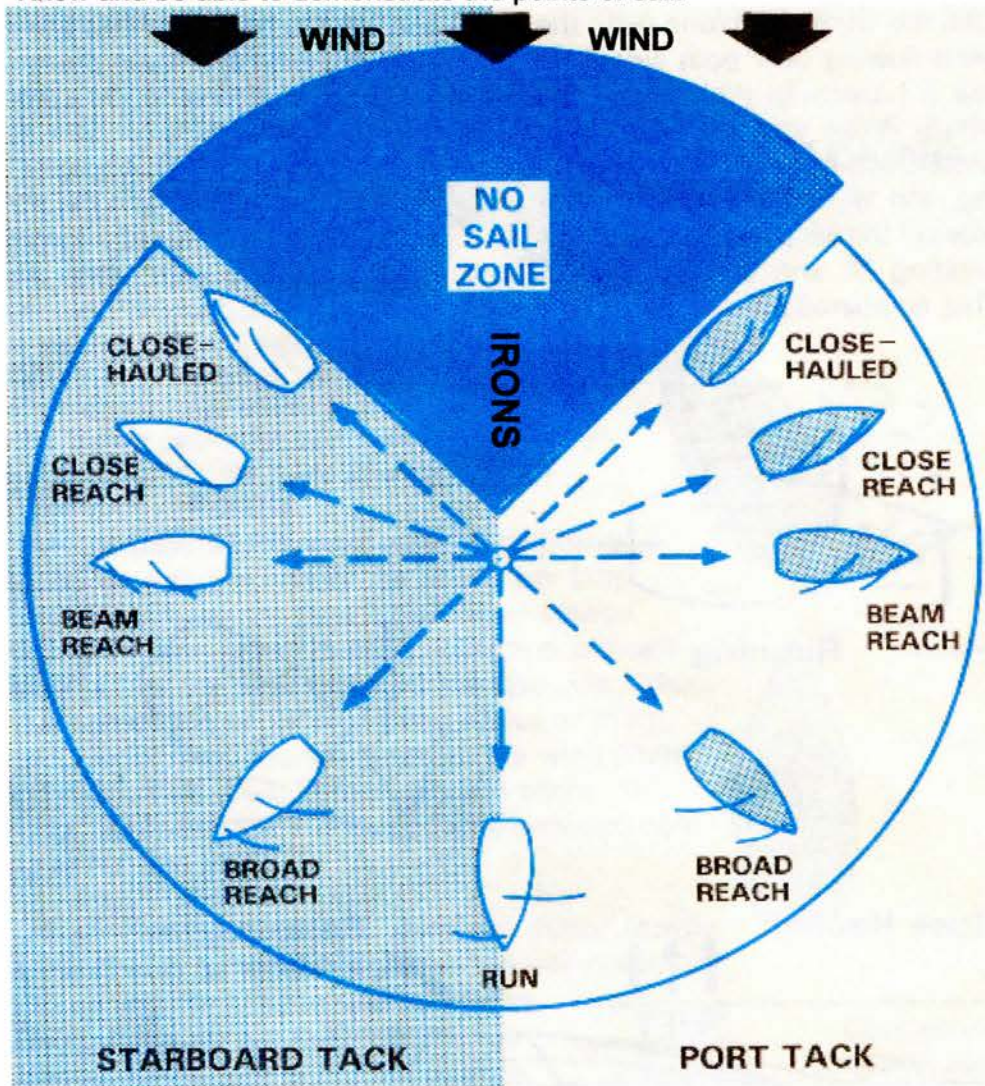
4. Raise and lower both sails effectively on a JY15

5. Demonstrate making a mooring in a JY15 and put it to bed properly:
 - a. Approach the mooring from below (downwind)
 - i. The stronger the wind, the further downwind of the mooring you should be
 - b. Turn the boat into irons when you are directly downwind of the mooring
 - c. Glide up to the mooring and have your crew clip the bowline to it
 - d. Raise centerboard and rudder
 - e. Take down sails
 - f. Furl sails neatly and securely
 - g. Put lifejackets away

6. Know and demonstrate who has the right of way on the water:
 - a. What does right of way mean?
 - b. Sailboats have the right of way over motor boats **unless**:
 - i. A sailboat is under motor power **or**
 - ii. The motor boat is broken down **or**
 - iii. The motor boat is radically larger than the sailboat

7. Explain the basics as to why a boat sails:
 - a. When sailing **upwind** the sails act as wings. As wind flows past both sides of the sail it creates lift that propels the boat forwards.
 - b. When sailing **downwind** the sails act like parachutes. Wind pushes on the windward side of the sails to push the boat forwards.
 - c. The centerboard prevents the boat from drifting in the direction of the wind.
 - d. The rudder, when moved with the tiller, steers the boat.

8. Know and be able to demonstrate the points of sail:



9. Demonstrate the following in a JY15 **by yourself** (after having gone out and skippered with a counselor):
- Sit properly in the boat:
 - Sit opposite the sail while facing it, with the mainsheet in one hand, and the tiller in the other.
 - Place your feet under the hiking strap and be prepared to hike out.
 - Show how to properly trim your sail
 - While keeping the boat sailing on a straight course, let your sail out until it luffs, then pull it in until it stops.
 - Get into any point of sail on command and trim your sails properly:
 - Show how to prevent capsizing
 - Tack and jibe properly
 - Head up and fall off on command

10. See head of sailing.