



National Powerboating workbook skills, questions and worksheets

	MEM50.1EA Rec boating technologies	MEM 50.8EA Carry out trip preparation and planning	MEM 50.9AA Safely operate a mechanically powered recreational craft	MEM 50.10EA Respond to emergencies and incidents
1.1. Identify vessel configurations used in boating applications	✓			
1.2. Identify and describe functions of major systems of rec vessels and trailer.	✓			
1.3. Identify fasteners and fittings used in recreational boating applications	✓			
1.1. Maintain and service the boat on a regular basis				
1.2. Check that safety equipment complies with relevant legislation				
1.3. Check that safety equipment is serviceable, accessible and that you can identify its location and check that it is securely and appropriately stored				
2.1. Maintain and service mooring and berthing apparatus on a regular basis				
3.1. Check weather conditions, vessel and crew suitability for planned trip including access and interpretation of weather conditions, interpretation of labels and anticipation of weather				
3.2. Plan trip activity taking into account tide, area and type of operation and emergency contacts				
3.3. Check that adequate provisions, including fuel and water are carried				
3.4. Communicate trip details to an appropriate person				
3.5. Check/ensure the number of passengers does not exceed the boat design limitations and/or legislative requirements				
3.6. Check to ensure that equipment, stores and other personal items are securely stowed and do not adversely affect the boat's stability				
3.7. Inform an appropriate person of safe return				
1.1. Undertake a pre-start check				
1.2. Prepare and start your motor				
1.3. Manoeuvre your boat safely according to prevailing conditions and in accordance with water traffic regulations including leaving and returning				
1.4. Monitor the performance of the boat and crew at all times including engine, electrical and mechanical equipment				
1.5. Consider the impact of the boat on the others and the environment				
1.6. Stow and use safety equipment in accordance with rules and regulations				
2.1. Identify aids to small craft navigation including (ALA) Buoyage system 'A'				
2.2. Apply collision avoidance techniques when required in accordance with relevant legislation, recognised rules and regulations				
2.3. Carry out operation of the boat in accordance with relevant legislation, recognised rules and regulations				
2.4. Use navigational aids and landmarks to determine and monitor boat position				
2.5. Take into account hazards and conditions in navigating the boat				
3.1. Select an anchorage site in accordance with prevailing and forecast conditions and in accordance with relevant legislation and rules				
3.2. Use the type of anchor most suitable for the location				
3.3. Lower, set and monitor the anchor according to prevailing conditions				
3.4. Retrieve and securely stow anchor				
1.1. Check the nature, type, location, accessibility and serviceability of safety equipment is known and understood by all persons on board				
1.2. Conduct a briefing of crew before departure				
1.3. Use safety equipment in a manner appropriate to the emergency or situation				
1.4. Use safety equipment in a manner for which it was designed				
2.1. Identify the nature of the emergency				
2.2. Communicate the alarm to the crew				
2.3. Use recognised distress signals to indicate need for assistance				
2.4. Report incident, if appropriate the, where required by regulations				
3.1. Inform crew of actions required to deal with the emergency				
3.2. Implement procedures to combat emergency and protect persons				
3.3. Identify, record and communicate position and details of emergency				
3.4. Provide the injured person with assistance				
3.5. Maintain communication with rescuers				
3.6. Undertake preparation for abandoning a boat, if required				
3.7. Communicate cessation of emergency to appropriate personnel				
4.1. Recognise distress signals from others				
4.2. Identify the nature of assistance required				
4.3. Determine capability to assist and relay information				
4.4. Prepare for and implement an appropriate response to an emergency				
4.5. Communicate the cessation of the emergency to the appropriate personnel				
Skill 1: Identify vessel configurations	✓	✓		
Skill 2: Identify systems used in a recreational boats	✓	✓		
Worksheet 1 Boat controls and systems		✓		
Skill 3: Identify fasteners and fittings and places on a boat	✓	✓	✓	
Worksheet 2 Boating terms	✓			
Skill 4: Identify trailer parts		✓	✓	
Worksheet 3 Trailer terms and operations		✓	✓	
Skill 5: Comply with Government and other regulations				✓
Worksheet 4 Which regulations apply to me?				✓
Skill 6: Maintain a boat		✓		
Worksheet 5 Pre-departure checklist		✓	✓	✓
Skill 7: Identify safety equipment		✓	✓	✓
Worksheet 6 What safety gear do I carry in my State?		✓	✓	✓
Worksheet 7 Emergency planning and risk assessment		✓	✓	✓
Skill 8: Plan a boat trip		✓	✓	✓
Worksheet 8 Anticipating weather conditions		✓	✓	
Skill 9: Calculate tide heights		✓	✓	
Skill 10: Calculate depth of water under your boat		✓	✓	
Skill 11: Navigate a compass course		✓	✓	
Skill 12: Calculate set and drift		✓	✓	
Skill 13: Apply pilotage system rules				✓
Skill 14: Identify flags, advisory signs and leading lights				✓
Skill 15: Identify navigation lights and vessel activities				✓
Worksheet 9 Navigation aids				✓
Skill 16: Apply boating rules				✓
Skill 17: Identify sound and water ski signals				✓
Skill 18: Communicate boating tasks				✓
Skill 19: Row a boat			✓	
Skill 20: Mount an outboard motor and pre-departure check		✓	✓	
Skill 21: Start an outboard motor		✓	✓	
Skill 22: Exercise minimum control speed		✓	✓	✓
Skill 23: Depart from a beach		✓	✓	✓
Skill 24: Return to a beach		✓	✓	✓
Skill 25: Drive a boat with the helm at the stern		✓	✓	✓
Skill 26: Drive a boat with the helm in the cabin		✓	✓	✓
Skill 27: Depart from a dock		✓	✓	✓
Skill 28: Dock at a jetty		✓	✓	✓
Skill 29: Cross a wash		✓	✓	✓
Skill 30: Make a U turn		✓	✓	✓
Skill 31: Complete a figure of eight and S turn		✓	✓	✓
Skill 32: Make an emergency stop		✓	✓	✓
Skill 33: Moor at a buoy		✓	✓	✓
Skill 34: Handle adverse conditions		✓	✓	✓
Skill 35: Anchor				✓
Skill 36: Launch and retrieve a boat		✓	✓	✓
Skill 37: Refuel the tank				✓
Skill 38: Rescue a person overboard				✓
Skill 39: Use flares and other signalling devices				✓
Skill 40: Accept a tow				✓
Skill 41: Deal with engine failure				✓
Skill 42: Fight a fire				✓
Skill 43: Use a radio				✓
Skill 44: Describe how to activate an EPIRB				✓
Skill 45: Help others in distress				✓
Skill 46: Deal with a capsized boat				✓
Skill 47: Abandon ship				✓
Worksheet 10 Boat emergency plans				✓
Worksheet 11 Boat incidents				✓