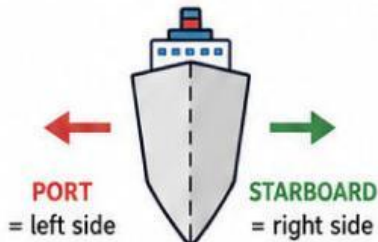


Standard Wheel and Engine Orders

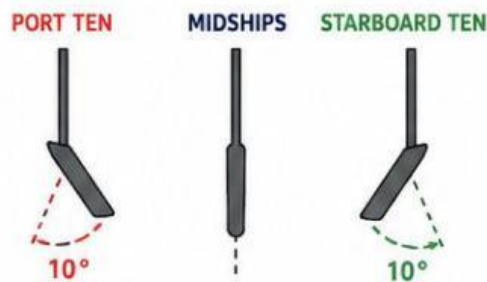
Worksheet 1: Key Vocabulary

Wheel orders control the rudder and the ship's direction. Engine orders control the ship's movement and speed. In bridge communication, the order is repeated to confirm understanding.

1. SHIP SIDES



2. RUDDER (WHEEL) EXAMPLES



3. MOVEMENT (ENGINE)



1. Wheel Orders (7)

Order	Meaning
Midships	rudder straight
Port ten	rudder 10° to port
Starboard ten	rudder 10° to starboard
Hard-a-port	rudder fully to port
Hard-a-starboard	rudder fully to starboard
Steady as she goes	keep the present course
Finished with wheel	no more wheel orders

2. Engine Orders (7)

Order	Meaning
Stand by engine	get ready to maneuver
Slow ahead	move forward slowly
Half ahead	move forward at half power
Full ahead	move forward at full power
Stop engines	stop the engine
Slow astern	move backward slowly
Full astern	move backward at full power

Useful Words

port
= left side

starboard
= right side

ahead
= forward

astern
= backward

Repeat Pattern



Officer: "Port ten."



Helmsman: "Port ten."



Officer: "Very well."

Standard Wheel and Engine Orders

Worksheet 2: Matching and Complete

Read carefully and complete each activity.

A. Match the wheel orders.

- | | |
|-----------------------------|------------------------------|
| 1. ____ Midships | a. no more wheel orders |
| 2. ____ Port ten | b. keep the present course |
| 3. ____ Hard-a-starboard | c. rudder straight |
| 4. ____ Steady as she goes | d. rudder fully to starboard |
| 5. ____ Finished with wheel | e. rudder 10° to port |

B. Match the engine orders.

- | | |
|-------------------------|--------------------------------|
| 1. ____ Stand by engine | a. move backward at full power |
| 2. ____ Slow ahead | b. move forward slowly |
| 3. ____ Full ahead | c. stop the engine |
| 4. ____ Stop engines | d. get ready to maneuver |
| 5. ____ Full astern | e. move forward at full power |

C. Complete with the correct word.

port starboard ahead astern midships stop engines

1. The left side of the ship is _____.
2. The right side of the ship is _____.
3. Move forward = _____.
4. Move backward = _____.
5. Rudder straight = _____.
6. To stop the ship's engine, say _____.

D. Complete the response.

1. Officer: "Slow ahead."
Operator: "_____."
Officer: "Very well."
2. Officer: "Hard-a-port."
Helmsman: "_____."
Officer: "_____."

Standard Wheel and Engine Orders

Worksheet 3: Listening and Short Answers



Teacher reads the orders aloud. Students listen and complete the tasks.

A. Listen and circle the order you hear.

- | | |
|-----------------------------------|-----------------------------------|
| 1. Port ten / Starboard ten | 5. Hard-a-port / Hard-a-starboard |
| 2. Slow ahead / Slow astern | 6. Stop engines / Stand by engine |
| 3. Full ahead / Full astern | 7. Half ahead / Full ahead |
| 4. Midships / Finished with wheel | 8. Port / Starboard |

B. Listen and complete.

Word bank: ahead astern port starboard engines

- | | |
|-----------------|---------------|
| 1. Slow _____ | 4. Stop _____ |
| 2. Full _____ | 5. _____ ten |
| 3. Hard-a-_____ | |

C. Short answers.

- | | |
|-------------------------------------|-------|
| 1. What does "midships" mean? | _____ |
| 2. What is the opposite of "ahead"? | _____ |
| 3. Which side is port? | _____ |
| 4. Who repeats a wheel order? | _____ |



port = left



starboard = right



Standard Wheel and Engine Orders

Worksheet 4: Phonics Focus — /s/ and /z/ Minimal Pairs

/s/ and /z/ sound similar, but they are different. /s/ is voiceless.

/z/ is voiced.



Sound 1: /s/

voiceless, soft hiss,
no throat vibration



Sound 2: /z/

voiced, buzzing sound,
throat vibration

A. Read and repeat.

1. sip / zip

2. Sue / zoo

3. bus / buzz

4. ice / eyes

5. sink / zinc

6. rice / rise

B. Listen and circle the word you hear.

1. sip / zip

2. Sue / zoo

3. bus / buzz

4. ice / eyes

5. sink / zinc

6. rice / rise

C. Complete with the correct word.

sip zoo bus buzz ice eyes rice rise

1. Take a small _____ of water.
2. We can see monkeys at the _____.
3. I go to school by _____.
4. Bees make a _____.
5. Frozen water is _____.
6. We see with our _____.
7. White grain is _____.
8. The sun will _____ in the morning.

D. Minimal pair check.

1. /s/ in _____ and /z/ in _____. (sip / zip)
2. /s/ in _____ and /z/ in _____. (Sue / zoo)
3. /s/ in _____ and /z/ in _____. (bus / buzz)
4. /s/ in _____ and /z/ in _____. (rice / rise)



Tip: Put your hand on your throat.

/z/ vibrates.

/s/ does not.