

- 1) **When backing a tractor under a trailer, you should:**
 - a) Always use the lowest reverse gear
 - b) Always approach the trailer at a slight angle
 - c) Do it quickly to ensure that the kingpin is locked into the fifth wheel
- 2) **After the trailer has been coupled to the tractor, the tractor protection valve should be placed in what position?**
 - a) Down
 - b) Up
 - c) Normal
- 3) **The fifth wheel locking lever is not locked after the jaws have closed around the kingpin. This means that:**
 - a) The trailer will not swivel on the fifth wheel
 - b) The parking lock is off and you may drive away
 - c) The coupling is not right and should be fixed before driving the coupled unit
- 4) **Off-tracking or cheating causes which of these to follow the wider pass while making a turn?**
 - a) Tractor towing a 45 feet long trailer
 - b) Tractor with two 27 feet long trailers
 - c) 53 feet long bobtail
- 5) **The air lines on combination vehicles are often colored to prevent them from getting mixed up. The emergency line is ____ and the service line is ____:**
 - a) Red, blue
 - b) Black, yellow
 - c) Blue, red
- 6) **Semi trailers made before 1975 that are equipped with air brakes:**
 - a) Usually need a glad hand converter
 - b) Often do not have spring brakes
 - c) Have only a service air line
- 7) **The air leakage rate for a combination vehicle(engine off, brakes on) should be less than ____ psi per minute:**
 - a) 2
 - b) 3
 - c) 4
- 8) **Compared to a straight truck or bus there are ____ things to inspect on combination vehicles:**
 - a) Fewer
 - b) The same amount
 - c) More
- 9) **A tractor with a ____ trailer will require the shortest amount of stopping distance:**
 - a) Empty
 - b) Lightly loaded
 - c) Fully loaded

- 10) When you get ready to back under a semitrailer, you should line up:**
- a) The kingpin to engage the drivers side locking jaw first
 - b) Directly in front of the trailer
 - c) The left rear dual outer wheel with the kingpin
- 11) To unlock the fifth wheel, the locking lever should be placed in the ____ position:**
- a) Neutral
 - b) Closed
 - c) Open
- 12) The tractor protection valve will close and the trailer emergency brakes will come on when there is a major leak in the ____ brake line:**
- a) Service
 - b) Parking
 - c) Emergency
- 13) When coupling, the proper position of the fifth wheel is:**
- a) Level with the ground
 - b) Tilted down toward the end of the trailer
 - c) Tilted up toward the end of the trailer
- 14) What gear should the tractor be in after you uncouple the trailer and are inspecting the trailer supports?**
- a) Neutral
 - b) Low reverse
 - c) High reverse
- 15) You have coupled to a semitrailer. Where should you put the iron trailer supports before driving away?**
- a) Raised half way with the crank handle secured in its bracket
 - b) Fully raised with the crank handle secured in its bracket
 - c) Three turns off the top with the crank handle secured in its bracket
- 16) The safety catch for the fifth wheel locking lever must be ____ for coupling to be complete:**
- a) Over the locking lever
 - b) Under the locking lever
 - c) Straight up
- 17) After you supply air to the trailer, make sure the air lines are not crossed and the trailer brakes are working. This is done by:**
- a) Lifting the brake pedal
 - b) Watching your mirrors to see if the trailer lights come on
 - c) Applying and releasing the trailer brakes and listening for the sound of the brakes
- 18) Before you back under a trailer, make sure that:**
- a) The trailer brakes are locked
 - b) The tractor protection valve is normal
 - c) The air supply knob is in

- 19) When you are uncoupling a loaded trailer, you should lower the landing gear until it:**
- a) Makes firm contact with the ground, then turn the crank handle a few extra turns
 - b) Makes firm contact with the ground and lifts the trailer off the fifth wheel
 - c) Reaches the ground
- 20) What will happen if the air lines are crossed when you hook up to an old trailer?**
- a) The hand valve will apply the tractor brakes instead of the trailer brakes
 - b) If the trailer has no spring brakes, you could drive away but you wouldn't have trailer brakes
 - c) The brake lights will come on when the brake pedal is pressed
- 21) There are two things a driver can do to prevent a rollover. They are (1) keep the cargo as close to the ground as possible and (2):**
- a) Make sure that the brakes are properly adjusted
 - b) Keep both hands firmly on the steering wheel
 - c) Go slow around turns
- 22) To stop a trailer skid:**
- a) Use the trailer hand brake
 - b) Release the service brakes
 - c) Countersteer
- 23) Why should you be sure the fifth wheel plate is greased as required?**
- a) To ensure a good electrical connection
 - b) To prevent steering problems
 - c) To reduce heat and noise
- 24) Your emergency air line breaks or gets pulled apart while driving. The loss of pressure will cause the:**
- a) Air compressor to unload instead of pumping air
 - b) Tractors air to dump into the trailer tank through the service line
 - c) Emergency trailer brakes to come on
- 25) When connecting the glad hands, press the two coupler rubber seals together at what angle to each other?**
- a) 45 degrees
 - b) 90 degrees
 - c) 180 degrees
- 26) Which of these statements is true?**
- a) The brakes and suspension system of combination vehicles work best with a light load
 - b) Light vehicles need more braking power to stop than heavy ones
 - c) Bobtail tractors can take longer to stop than a combination vehicle loaded to maximum gross weight
- 27) After you have coupled the trailer, you should start raising the landing gear by using:**
- a) Low gear
 - b) Intermediate
 - c) High gear

28) You supply air to the trailer tanks by:

- a) Pushing in the trailer air supply valve
- b) Pulling out the trailer air supply valve
- c) Connecting the service line glad hands

29) Which part of the kingpin should the locking jaws close around?

- a) The shank
- b) The head
- c) The base

30) How much space should be allowed between the upper and lower fifth wheel after coupling?

- a) ¼ inch
- b) Just enough to sit on
- c) None

31) You have pushed in the trailer air supply valve. You should not back a tractor under a trailer until the whole system is:

- a) Empty
- b) At normal pressure
- c) Between 60 and 80 psi

32) You are coupling a tractor to a semitrailer. You have connected the air lines. Before backing under the trailer, you should:

- a) Supply air to the system then pull out the air supply knob
- b) Pull ahead to test the glad hand connections
- c) Make sure that the trailer brakes are off

33) The air brake leakage rate for a combination vehicle (engine off, brakes off) should be less than ___psi per minute:

- a) 1
- b) 2
- c) 3

34) The safest way to make a turn without entering another traffic lane is to:

- a) You should turn wide before you start the turn
- b) You should turn wide as you complete the turn
- c) You should not make the turn and find another place where you can turn without crossing into another lane

35) The higher the center of gravity of your truck, the:

- a) Easier to turn around a corner
- b) More stable while turning
- c) Easier to turn over

36) The hand valve should be used:

- a) Only with the foot brake
- b) To test the trailer brakes
- c) As a parking brake

- 37) When driving a set of doubles it is necessary to close which shut- off valves on the last trailer?**
- a) Front
 - b) Middle section
 - c) Back
- 38) If the service line comes apart while driving a combination vehicle, but the emergency line stays together, what will happen right away?**
- a) The trailers tank will exhaust through the open line
 - b) The emergency trailer brakes will come on
 - c) Nothing is likely to happen until you try to apply the brakes
- 39) You are coupling a tractor to a semitrailer and have backed up but are not under it. What should you hook up before backing under?**
- a) The emergency and service air lines
 - b) The electrical service cable
 - c) Nothing. Back up and lock the fifth wheel
- 40) Why should you lock the tractor glad hands to each other or to a dummy coupler when you are not towing a trailer?**
- a) The connected brake circuit becomes a back-up air tank
 - b) It will keep dirt or water out of the lines
 - c) If you don't, you could never build system pressure
- 41) While driving behind another vehicle under good conditions you should allow at least one second between your vehicle and the vehicle ahead for each ____ (how many) feet of your vehicle length?**
- a) 10
 - b) 20
 - c) 30
- 42) Glad hands are usually connecting which of these:**
- a) Electric lines from the tractor to the trailer
 - b) Kingpin from the trailer to the locking jaws of the fifth wheel
 - c) Service and emergency air lines from the vehicle to the trailer
- 43) You are about to back your tractor under a semitrailer. The trailer is at the right height when:**
- a) The kingpin is about 1¼ inches above the fifth wheel
 - b) End of the kingpin is even with the top of the fifth wheel
 - c) Trailer will be lifted slightly when the tractor backs under it
- 44) While checking if the trailer is securely coupled to the trailer, the landing gear should be:**
- a) Fully raised
 - b) Slightly raised
 - c) Fully lowered
- 45) Air and electrical lines from the tractor to the trailer should be:**
- a) Fully tight
 - b) Secured, but with enough loop to turn
 - c) Resting on the frame of the tractor

- 46) After you lock the kingpin into the fifth wheel, you should check the connection by:**
- a) Pulling forward 50 feet while turning right and left
 - b) Backing up with the trailer brakes released
 - c) Pulling the tractor forward gently with the trailer brakes locked
- 47) Where should the tractor be when you inspect the landing gear after uncoupling from the trailer?**
- a) With the tractor frame under the trailer
 - b) Completely cleared from the trailer
 - c) With the fifth wheel directly beneath the kingpin
- 48) The front trailer supports are up and the trailer is resting on the tractor. Make sure:**
- a) There is enough clearance between the top of the tractor tires and the nose of the trailer
 - b) There is enough clearance between the tractor frame and the landing gear
 - c) Both a and b are correct
- 49) When uncoupling the trailer, after you shut off the trailer air supply and lock the trailer brakes, you should:**
- a) Back up gently to ease pressure on the fifth wheel
 - b) Put on your tractor parking brakes
 - c) Lower the trailer landing gear
- 50) Air brake equipped trailers made before 1975:**
- a) Often do not have spring brakes
 - b) Usually need a glad hand converter
 - c) Cannot be legally operated on interstate highways
- 51) When checking the trailer emergency brakes the tractor protection valve should be placed in what position?**
- a) Normal
 - b) Emergency
 - c) Neutral
- 52) You are driving a combination vehicle when the trailer breaks away, pulling apart both air lines. You expect the trailer emergency brakes to come on and:**
- a) The trailer supply valve to stay open
 - b) The tractor to lose air pressure
 - c) The tractor protection valve to close
- 53) In normal driving, some drivers use the hand valve before the brake pedal to prevent a jackknife. Which of these statements is true?**
- a) It should not be done
 - b) It results in less skidding than using the brake pedal alone
 - c) It is the best way to brake and keep the truck in a straight line
- 54) When should you use the hand valve to park a combination vehicle?**
- a) To park at loading docks
 - b) To park on a grade
 - c) Never

Combination vehicle answers:

- | | |
|-------|-------|
| 1) a | 40) b |
| 2) c | 41) a |
| 3) c | 42) c |
| 4) a | 43) c |
| 5) a | 44) b |
| 6) b | 45) b |
| 7) c | 46) c |
| 8) c | 47) a |
| 9) c | 48) c |
| 10) b | 49) a |
| 11) c | 50) a |
| 12) c | 51) b |
| 13) b | 52) c |
| 14) a | 53) a |
| 15) b | 54) c |
| 16) a | |
| 17) c | |
| 18) a | |
| 19) a | |
| 20) b | |
| 21) c | |
| 22) b | |
| 23) b | |
| 24) c | |
| 25) b | |
| 26) c | |
| 27) a | |
| 28) a | |
| 29) a | |
| 30) c | |
| 31) b | |
| 32) a | |
| 33) c | |
| 34) b | |
| 35) c | |
| 36) b | |
| 37) c | |
| 38) c | |
| 39) a | |

