COMBINATION HOME WORK

1. Glad hands are used to connect the?
2. Electric lines from the tractor to the trailer
3. King pin from the tractor to the locking jaws in the glide plate
4. **Service and emergency air lines from the tractor to the trailer**
5. Why should you be sure the fifth wheel plate is greased as required?
6. To ensure good electrical connections
7. **To prevent steering problems**
8. To reduce heat and noise
9. After connecting the air lines, but before backing under the trailer, you should?
10. **Supply air to the trailer system, then pull out the supply knob**
11. Make sure the trailer brakes are off
12. Walk around the rig to make sure it is clear
13. A tractor trailer vehicle combination is most likely to roll over in a turn when the configuration includes?
14. A 45 foot and 28 foot trailer
15. Double 45 foot trailers
16. **Triple 28 foot trailers**
17. The trailer air supply control vlve should automatically close when the air pressure falls to between \_\_\_\_\_\_\_\_ PSI?
18. 100 and 125
19. 60 and 85
20. **20 and 45**
21. When coupling the proper position of the fifth wheel is?
22. Level with the ground
23. Tilted up towards the end of the tractor
24. **Tilted down towards the end of the tractor**
25. Which part of the king pin should the locking jaws close around?
26. **The shank**
27. The head
28. The base
29. When checking that the trailer is securely coupled to the tractor the landing gear should be?
30. Fully raised
31. **Slightly raised**
32. Fully lowered
33. A trailer is most likely to jack knife when it is?
34. Loaded to full capacity
35. Over loaded
36. **Empty**
37. The spring doesn’t release when you push the trailer air supply control valve, you should?
38. **Check the air line connections**
39. Cross the lines
40. Check the electrical service cable
41. Loss of air pressure in the emergency lines causes?
42. The relay valves to close
43. A increase in air pressure to the service line
44. **The trailer emergency brakes to come on**
45. When you get ready to back under a semi-trailer you should line up?
46. The king pin to engage the drivers side locking jaws first
47. **Directly in front of the trailer**
48. The left rear dual wheel with the king pin
49. The best way to tell if your trailer has started to skid is to?
50. Hear the tires skidding
51. **See it in your mirrors**
52. Feel the pulling in the cab
53. Why should you lock the tractor glad hands to each other are to the dummy couplers when you are not towing a trailer?
54. The connected brake circuit becomes a backup air tank
55. **It will keep dirt and water out of the air lines**
56. If you don’t you could never build up air pressure
57. To unlock the fifth wheel, pull the release handle to the \_\_\_\_\_\_\_\_position?
58. **Open**
59. Neutral
60. Closed
61. When should you use the hand valve to park a combination vehicle?
62. To park at a loading dock
63. To park on a grade
64. **Never**
65. A Driver crosses the air lines when hooking up to a old trailer, what will happen?
66. The hand valve will apply the tractor brakes, instead of the trailer brakes
67. **If the trailer has no spring brakes, you could drive away but would have no trailer brakes**
68. The brake pedal will work the trailer spring brakes instead of the air brakes
69. You supply air to the trailer tanks by?
70. **Pushing in the trailer air supply valve**
71. Pulling out the trailer air supply valve
72. Connecting to the service line glad hand
73. The front trailer supports are up and the trailer is resting on the tractor, make sure
74. There is enough clearance between the upper and lower fifth wheel plates
75. The safety latch is in the unlocked position
76. **There is enough clearance between the tractor frame and the landing gear**
77. The safety latch for the fifth wheel locking lever must be \_\_\_\_\_\_\_\_for a coupling to be correct
78. **Over the locking lever**
79. Straight up
80. Through the locking lever
81. You are hooking a tractor to a semi-trailer and have backed up but are not under it. What should you do before backing under the trailer
82. Hook up the electrical service cable
83. **Hook up the emergency and service air lines**
84. Nothing, back under the trailer and secure the fifth wheel
85. After pushing in the trailer supply valve, you should not move the tractor until air system is?
86. Charging
87. **At normal pressure**
88. Between 50 and 60 PSI
89. There are two things that a driver can do to prevent a rollover, they are one keep the cargo as close to the ground as possible and?
90. Make sure the brakes are properly adjusted
91. Keep both hands on the steering wheel
92. **Reduce your speed before entering curves or turns**
93. With the engine off, and the brakes released and your foot on the brake pedal, a combination vehicle air brake system should not leak more than how many PSI in one minute?
94. 1 PSI
95. 2 PSI
96. **4 PSI**
97. If the fifth wheel locking lever is not locked after the jaws close around the kingpin
98. The trailer will not swing on the fifth wheel
99. The hand valve is released and you may drive away
100. **The coupling is not correct and should be corrected before driving the coupled unit**
101. After coupling a semi-trailer you should crank the front trailer supports how high?
102. Raised ½ way with the crank handle secured
103. Raised ¾ way with the crank handle secured
104. **Fully raised with the handle in its bracket (cradle)**
105. Air brake equipped trailers made before 1975
106. **Usually do not have spring brakes**
107. Usually need a glad hand converter
108. Cannot be operated on interstate highways
109. During normal driving some drivers use the trolly (Hand valve) before the brake in order to prevent trailer skids, which of the following statements is true?
110. It results in less skidding than using the brake pedal alone
111. It is the best way to brake in a straight line
112. **It should never be done**
113. You are hooking up to a tractor and semi-trailer and have connected both air lines, before backing under the trailer what should you do?
114. Pull forward to test glad hand connections
115. **Supply air to the trailer system then pull out the supply knob to lock the trailer brakes**
116. Blow the air horn twice to alert others
117. If the service line disconnects while you are driving what will happen right away?
118. The emergency tractor brakes will come on
119. The emergency trailer brakes will come on
120. **Nothing is likely to happen until you try to use your brakes**
121. After hooking up you should check the fifth wheel connection by
122. Driving away at 20 MPH and pulling down the trailer hand valve.
123. Backing up with the trailer brakes released
124. **Pulling the tractor ahead gently with the trailer brakes locked**
125. When hooking a tractor to a trailer you will know the trailer is at the correct height when the?
126. The kingpin is about 2 ¼ inches above the fifth wheel
127. The beginning of the kingpin is even with the top of the lower fifth wheel plate
128. **The coupling device of the trailer is just below the middle of the tractor fifth wheel**
129. You are driving a combination vehicle when the tractor breaks away and pulls apart the air lines you would expect the trailer brakes to apply and?
130. The tractor to loose all pressure
131. **The tractor brakes to keep working properly**
132. The tractor brakes to lock up
133. How much space should be between the upper and lower fifth wheel plates?
134. About 1 inch
135. No more than 1/2 an inch
136. **None**
137. At what angle do you connect your glad hand connections to the trailer?
138. 45 degrees
139. 60 degrees
140. **90 degrees**
141. The hand valve should be used
142. As a parking brake
143. Only with the foot brake
144. **To test the trailer brakes**
145. What is off tracking?
146. Driver failing to keep the truck on route or track
147. The process of taking the tracks of a tractor
148. What is the purpose of the service air lines?
149. To service the air control supply
150. To service the tractor air brakes
151. **To carry air to the trailer service brakes**
152. In coupling when is the trailer height correct?
153. When the trailer landing gear is fully extended
154. **When the trailer will be lifted slightly when the tractor connects**
155. Which of these statements about backing a vehicle is true?
156. The helper should be out of the drivers sight and use spoken signals to help the drive
157. It is safest to back toward the right of the vehicle than toward the drivers side
158. **You should avoid backing whenever possible**
159. According to accident reports the vehicle trucks and buses most often collide with is?
160. The one behind them
161. The one to the right of them
162. **The one in front of them**
163. Which of these is a good thing to do when steering to avoid a crash?
164. Apply the brakes while turning
165. Steer with one hand on the wheel and one hand on the air horn
166. **Don’t turn any more than needed to clear what is in your way**
167. For your safety when setting out reflective triangles you should
168. Carry the triangles at your side
169. **Hold the triangles between yourself and oncoming traffic**
170. Keep them out of sight while you walk to the spot where you set them out
171. You are dropping a trailer and the release arm won’t release properly because the locking jaws have too much pressure on them, what should you do?
172. Pull forward gently and set your tractor parking brakes
173. Raise the trailer slightly to remove pressure
174. **Gently back up the tractor and set your tractor brakes**
175. If you are dropping a fully loaded trailer, how do you lower the landing gear?
176. Dolly the legs down until they make full contact with the ground
177. Crank the landing gear until the sand bags are about ¼ from the ground
178. **After landing gear makes firm contact with the ground turn crank in low gear a few extra turns**
179. After unhooking a tractor from trailer pull tractor forward how far?
180. Pull tractor completely clear of trailer
181. **Pull tractor forward but leave tractor frame under trailer**
182. Pull tractor forward until back tires are even with the front of trailer
183. After tractor is pulled to proper distance in front of trailer how do you secure the tractor?
184. As long as the tractor remains in low gear you don’t have to apply the brakes
185. Leave the tractor in gear and apply the spring brakes
186. **Engage the parking brakes with the transmission in neutral**
187. When inspecting the trailer supports, you should check for
188. Trailer height
189. **Ground support and damage**
190. Gravel on dolly pads
191. If your trailer doesn’t have spring brakes how should you secure it?
192. Park on level ground
193. Leave the tractor hooked to it
194. **Use chock blocks**
195. What color are the trailer service and emergency air lines?
196. Blue and green
197. Red and black
198. **Blue and red**