Scaffolds and Ladders

1. One of the prime considerations in the erection or construction of scaffolding is the degree of _____ it will provide.

2. The height of the scaffolding platform is important, since it must permit the work to be performed with speed and accuracy without causing unnecessary stooping or _____ by the worker.

3. Typical designs for single-pole and double-pole wooden scaffolding are shown in the drawings below. Identify the specified parts.

4. The wood members that support the plank platform should be cut from sound lumber with a minimum cross section of _____.
   A. 1 × 6
   B. 2 × 4
   C. 2 × 6
   D. 2 × 8
5. When erecting either single-pole or double-pole scaffolding, ledger sections should never be spaced more than _____ apart.
   A. 8'
   B. 10'
   C. 12'
   D. 14'

6. Sectional steel or aluminum scaffolds are commonly used. Sections can be rapidly assembled from frame trusses and _____.

7. The drawings below show three types of metal devices commonly used in connection with wood planks to form low-level scaffolds. Identify each item shown.

   A. ____________
   B. ____________
   C. ____________

8. Great care must be exercised when using nails to attach metal scaffolding devices to a wall. Recommendations suggest the use of _____ 16d or 20d nails driven into sound framing lumber.
   A. two
   B. three
   C. four
   D. five

9. Metal units commonly used to support low platforms for interior work are called ___________. They are attached to a wooden ledger and can be adjusted to several different heights.
10. Provide the correct names of the ladders shown below.

A.
B.
C.
D.

11. When placing a ladder against a wall, the horizontal distance from the lower end to the wall should be at least ____ of the total length of the ladder.
   A. 15%
   B. 20%
   C. 25%
   D. 30%

12. When a ladder is used to gain access to a roof, it should be long enough to extend above the roof a distance of at least ____.
   A. 2 1/2'
   B. 3'
   C. 3 1/2'
   D. 4'

13. When a ladder is used on surfaces that may permit the bottom end to slip, it is best to ____.
   A. nail the rails to anti-skid boards
   B. place the bottom rails of the ladder in a special frame
   C. equip the bottom end of the rails with safety shoes
   D. use a rope to hold the bottom end in place
14. From the list below, select the incorrect statement concerning the safe use of a stepladder.
   A. Do not leave tools on the surface of the top step.
   B. At least three legs should rest on solid support.
   C. Do not stand on the two top steps.
   D. The two sections should be fully opened and locked.

15. Never use any type of metal ladder where there is the slightest chance that it might make contact with _____.