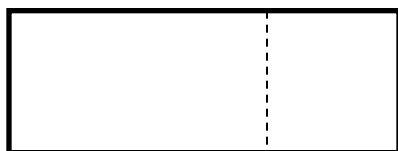


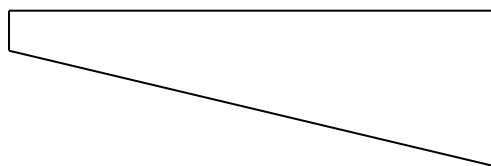


CPO Exam Practice Questions

Diagram for Question 1



Top View



Side View

1. You are the operator for a pool that is 75 feet long and 40 feet wide. The pool bottom has a constant slope which is 3 ft. deep in the shallow end and 11 ft. in the deep end. What is the volume of this pool in gallons?

The water volume of the facility is:

a) 315,000 gals b) 157,500 gals c) 21,000 gals d) 42,000 gals

2. For a pool that has 250,000 gallons, what flow rate in gallons per minute (gpm) is needed for an 8 hour turnover?

a) 521 gpm b) 9 gpm c) 450 gpm d) 352 gpm

3. If the flow rate is 750 gpm, what square footage high-rate sand filter would be needed if it is designed to operate at 20 gpm per ft²?

a) 23 sq. ft. b) 38 sq. ft. c) 42 sq. ft. d) 17 sq. ft.

4. A 150,000 gallon pool has the following readings: total alkalinity 50 ppm, pH 6.9, calcium hardness 100, temperature 76 degrees, and TDS 800. What is the SI for this pool?

a) +1.3 b) -1.0 c) -1.3 d) 0



5. How much water is lost daily in a 75 foot by 75 foot pool which loses 3 inches of water per day?
- a) 2,750 gals b) 3,514 gals c) 5,272 gals d) 10,543 gals
6. You have a 2,250 gallon spa with a flow rate of 150 gpm. What is the turnover rate in minutes?
- a) 25 minutes b) 12.5 minutes c) 15 minutes d) 30 minutes
7. The BTU's needed to raise the temperature of a 1500 gallon spa from 80 to 104 degrees is:
- a) 299,880 btu's b) 350,000 btu's c) 215,000 btu's d) 270,000 btu's
8. When a cartridge filter is dirty, do all except:
- a) Replace if Needed b) Soak in Cleaner c) Backwash d) Hose Off
9. Which of the following is NOT a concern in winterizing a facility?
- a) Hydrostatic Pressure b) rust c) vandalism d) stocking bathrooms
10. Chemical rashes, such as Bromine Itch, usually develop in approximately how many hours?
- a) 2 hours b) 12 hours c) 18 hours d) 6 hours
11. The acceptable pH range for pool/spa water is:
- a) 7.0-7.6 b) 7.2-7.8 c) 7.1-7.9 d) 6.9-7.5



12. What is the total surface area of a D.E. filter that has 8 leaves measuring 4 ft. by 6 ft. each that filter from both sides?

- a) 1152 sq. ft. b) 192 sq. ft. c) 248 sq. ft. d) 384 sq. ft.

13. In a 100,000 gallon pool there is a free available chlorine reading of 1.6 and a total chlorine reading of 2.6 ppm. How many gallons of sodium hypochlorite would be needed to reach breakpoint?

- a) 13 gals b) 7 gals c) 49 gals d) 70 gals

14. Which of the following chemicals can be used to lower the pH?

- a) Sodium Bisulfate b) Trichlor c) Calcium Chloride d) Lithium Hypochlorite

15. If a pool uses Calcium Chloride (100%), how many pounds would be needed to increase the calcium hardness from 150 to 250 ppm in a 100,000 gallon pool?

- a) 9 lbs. b) 18 lbs. c) 90 lbs. d) 900 lbs.

Answers: 1) b 2) a 3) b 4) c 5) d 6) c 7) a 8) c 9) d 10) b 11) b 12) d 13) b 14) a 15) c