National Marine Manufacturers Association

Compliance Specialist Exam
Boat Load Capacity (2022 MY)
ABYC H-5 (7/17)

1. According to the H-5 purpose and scope, persons capacity must be determined for applicable boats less than 26 feet.
    a. True
    b. False

2. The LOA of a boat:
    a. Is measured at the waterline
    b. Is wider than the max beam
    c. Is parallel to the design waterline
    d. Does not include the integral swim platform

3. Calculation beam is defined as:
    a. The horizontal length from the most forward part of the boat below the static float plane to the vertical midpoint of the transom below the static float plane.
    b. Widest part of the boat at each station measured at the static float plane. The distance is measured between the outer sides of the hull, excluding rubrails, fenders, or other extensions
    c. Each area in a boat in which a person can sit or stand in a normal position while the boat is in operation.
    d. The distance between two vertical lines at the midlength, excluding consoles, of the passenger carrying area when the boat is level.

4. A permanent appurtenances includes all of the following except:
    a. Windshields
    b. Hardtops
    c. Seats
    d. Batteries

5. When a physical test is conducted for determining maximum displacement, the seam between the deck and hull shall be taped or sealed to prevent water seepage.
    a. True
    b. False

6. Minimum font size for an upper deck capacity label is:
    a. 1/8”
    b. 1/4"
    c. 1/2"
    d. 3/4"

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7. When calculating the number of persons for outboard boats over 2 hp, the first step is:
    a. Add 32 to the posted persons pound capacity, then divide by 141
    b. Subtract 32 from the maximum allowable weight capacity
    c. Add 141 to the posted persons pound capacity, then divide by 32
    d. Subtract 141 from the maximum allowable weight capacity

8. An inboard boat has a posted maximum weight capacity of 1875 pounds. What is the maximum allowable person's capacity?
    a. 12
    b. 13
    c. 14
    d. 15

9. What is the maximum weight capacity for an outboard boat weighing 1,500 pounds, with a 50-horsepower maximum rating, and a displacement weight of 7,000 pounds?
    a. 1,000 pounds
    b. 1,100 pounds
    c. 1,200 pounds
    d. 1,300 pounds

10. A manually propelled boat with a maximum displacement of 1,500 pounds has a maximum person's weight of:
    a. 1450
    b. 1350
    c. 1250
    d. 1150

11. On boats less than 26 feet, upper deck capacities are not required to be included in the maximum weight capacity.
    a. True
    b. False

12. After determining the cubic capacity of the hull to find the maximum weight capacity of an outboard boat over 2hp:
    a. Multiply the hull volume by 1728
    b. Multiply 62.4 times the volume of the hull in cubic feet and subtract the boat weight and multiply by 0.2
    c. Multiply 62.4 times the volume of the hull in cubic feet and subtract the boat weight and divide by 7
    d. convert the volume of weight the hull would displace

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13. The maximum persons capacity, expressed in pounds, shall not exceed _____ of the maximum weight capacity, less 25 pounds if recommended for use with an outboard engine.
    a. 70%
    b. 80%
    c. 90%
    d. 100%

14. The formula for calculating the maximum weight capacity of an inboard or sterndrive boat is:
    a. $W = 1/5\ [V_d - B_w - 4(M_w)]$
    b. $W = 1/7\ (V_d - B_w)$
    c. Both A and B are correct
    d. Neither Formula is correct

15. After determining the persons capacity for all boat types, the manufacturer must:
    a. Have a designated occupant position for each person
    b. Not include standing positions as occupant positions
    c. Provide at least 2 handholds for each person
    d. Physically float a representative sample