

## Anchor Scope - Circle Problems

ASC 1: You are arriving in port and are assigned to anchor in anchorage circle B1. It has a diameter of 500 yards and your vessel's LOA is 484 feet. If you anchor in 8 fathoms of water at the center of the circle, what is the maximum number of shots of chain you can use and still remain in the circle?

- A. 6 shots
- B. 5 shots
- C. 4 shots
- D. 3 shots**

ASC 2: You are arriving in port and are assigned to anchor in anchorage circle B2. It has a diameter of 550 yards and your vessel's LOA is 449 feet. If you anchor in 9 fathoms of water at the center of the circle, what is the maximum number of shots of chain you can use and still remain in the circle?

- A. 6 shots
- B. 5 shots
- C. 4 shots**
- D. 3 shots

ASC 3: You are arriving in port and are assigned to anchor in anchorage circle B3. It has a diameter of 600 yards and your vessel's LOA is 525 feet. If you anchor in 10 fathoms of water at the center of the circle, what is the maximum number of shots of chain you can use and still remain in the circle?

- A. 4 shots**
- B. 5 shots
- C. 6 shots
- D. 7 shots

ASC 4: You are arriving in port and are assigned to anchor in anchorage circle B4. It has a diameter of 700 yards and your vessel's LOA is 600 feet. If you anchor in 11 fathoms of water at the center of the circle, what is the maximum number of shots of chain you can use and still remain in the circle?

- A. 4 shots
- B. 5 shots**
- C. 6 shots
- D. 7 shots