

Practice Exam 6

Exam 2 Part 2

You must use DA to solve the following problems. You must start off with a question mark with the unit that you are looking for and set it equal to what you are given. Each step must have units. Put a box around your answer. Your answer must have the same number of SF as your starting value. Your answer must have units.

The following information is provided to assist with problems 8 and 9

Length

1 nautical mile = 6076

1 foot 1 league = 5 280 yards

1 cable = 120 fathoms

1 fathom = 6 feet

1 degree = 69.047 miles

1 mile = 5280 feet

1 hand = 4 inches

3 feet = 1 yard

1 mile = 1.61 kilometers

1 meter = 3.28 feet

6. USING DIMENSIONAL ANALYSIS, convert 0.469 kg to g.

7. USING DIMENSIONAL ANALYSIS, convert 39.2 cm to m.

8. USING DIMENSIONAL ANALYSIS, convert 3.90 degrees to kilometers.

9.. USING DIMENSIONAL ANALYSIS convert 7.55 meters to hands.