

#1

Choose the best answer

After a long hike in a state park, Lauren decides to go relax at the beach. The parking permit she purchased allows her to park at any state beach without paying again. The nearest beach is 18 miles away from the park. This distance is 3 inches on Lauren's map of the area. What scale does the map use?

- ☐ 1 inch = 3 miles ☐ 1 inch = 5 miles
☐ 1 inch = 9 miles ☐ 1 inch = 6 miles

Show your work

#2

Nathan the archaeologist is doing a scale drawing of a hadrosaur bone that is 6 meters long. If he's using a 1 centimeter = 2 meters scale, how many centimeters long should he draw the bone?

centimeters

Show your work

#3

Choose the best answer

A space engineer is drawing a model of a spaceship. If the scale is 1 centimeter = 6 meters and the spaceship is 24 meters wide, how wide should she draw it?

- ☐ 7 centimeters ☐ 6 centimeters
☐ 3 centimeters ☐ 4 centimeters

Show your work

#4

Choose the best answer

An engineer is drawing a scale drawing of a 10 meter tall boiler. If the scale is 1 centimeter = 5 meters, how many centimeters tall should it be in the drawing?

- ☐ 3 centimeters ☐ 4 centimeters
☐ 0 centimeters ☐ 2 centimeters

Show your work

#5

Choose the best answer

A scale of the Eiffel Tower represents it as being 3 centimeters tall when in reality it is 6 meters tall. What scale is the drawing using?

- ☐ 1 centimeter = 2 meters ☐ 1 centimeter = 3 meters
☐ 1 centimeter = 0 meters ☐ 1 centimeter = 4 meters

Show your work

#6

An architect draws a scale drawing of a building. If the scale is 1 millimeter = 4 meters and the drawing is 3 millimeters tall, how tall is the actual building?

meters

Show your work

#7

Mason is an engineer and is drawing a scale model of a centrifuge for an oil company. If the centrifuge is 18 meters tall and he's using a scale of 1 centimeter = 6 meters, then how many centimeters tall should the centrifuge be in the drawing?

 centimeters

Show your work

#8

Ashley is an engineer and is drawing a scale model of a centrifuge for an oil company. If the centrifuge is 8 meters tall and she's using a scale of 1 centimeter = 4 meters, then how many centimeters tall should the centrifuge be in the drawing?

 centimeters

Show your work

#9

An engineer is reviewing an intern's work. The intern drew a scale drawing that is a 3 centimeter tall building, but the intern forgot to write down what scale he's using. If the engineer reviews the project and finds that the building is supposed to be 12 meters tall, what scale is the intern using?

1 centimeter = meters

Show your work

#10

Choose the best answer

An archaeologist is drawing a scale drawing of a dinosaur skeleton. If she is using a 1 centimeter = 2 meters scale and the bone is 6 meters long, how many centimeters should it be?

- ☐ 6 centimeters ☐ 1 centimeter
- ☐ 3 centimeters ☐ 4 centimeters

Show your work

#11

An engineer draws a scale drawing of a star fighter. If the scale 1 millimeter = 3 meters and the drawing shows the ship at 3 millimeters wide, how wide is the ship?

meters

Show your work

#12

Choose the best answer

An architect makes a scale drawing of a fountain with a scale of 1 millimeter = 5 meters. If the drawing shows the fountain as 4 millimeters tall, how tall will it be?

- ☐ 17 meters ☐ 16 meters
- ☐ 20 meters ☐ 15 meters

Show your work

Question	Answer
#1	choice 4
#2	3
#3	choice 4
#4	choice 4
#5	choice 1
#6	12
#7	3
#8	2
#9	4
#10	choice 3
#11	9
#12	choice 3