

#1

A space engineer is drawing a model of a spaceship. If the scale is 1 centimeter = 6 meters and the spaceship is 18 meters wide, how wide should she draw it?

centimeters

Show your work

#2

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

#3

Choose the best answer

A space engineer is drawing a model of a spaceship. If the scale is 1 centimeter = 5 meters and the spaceship is 15 meters wide, how wide should she draw it?

- 2 centimeters 4 centimeters
 3 centimeters 1 centimeter

Show your work

#4

Evan drove 6 miles to Hong Kong, but on his map the same distance is represented by 2 inches. What scale is the map using?

$$1 \text{ inch} = \boxed{} \text{ miles}$$

Show your work

#5

Choose the best answer

After a long hike in a state park, Alexander decides to go relax at the beach. The parking permit he purchased allows him to park at any state beach without paying again. The nearest beach is 20 miles away from the park. This distance is 4 inches on Alexander's map of the area. What scale does the map use?

- 1 inch = 5 miles 1 inch = 2 miles
 1 inch = 6 miles 1 inch = 3 miles

Show your work

#6

Choose the best answer

An oil rig worker drives 12 miles to an oil rig. Once she arrives she looks at her map and notices that it doesn't have a scale written down. She measure the distance she just drove as 4 inches. What is the scale of the map?

- 1 inch = 3 miles 1 inch = 6 miles
 1 inch = 0 miles 1 inch = 1 mile

Show your work

#7

Choose the best answer

Julia makes a scale drawing with a scale of 1 millimeter = 6 meters of a monument. If the drawing of the monument is 2 millimeters tall, how tall is the actual monument?

- 14 meters 13 meters
 15 meters 12 meters

Show your work

#8

Luke drives a lot as part of his job. Recently he drove 8 miles from the office to a meeting location. How far apart are the office and the meeting location on map with a scale of 1 inch = 4 miles?

inches

Show your work

#9

Matilda draws a scale drawing of a boat with a scale of 1 millimeter = 6 meters. If in the drawing the boat is 4 millimeters long, how long is it actually?

meters

Show your work

#10

Choose the best answer

Elizabeth drew a scale drawing of a house and its lot. The scale of the drawing was 1 centimeter = 5 meters. The actual width of the lawn in backyard is 10 meters. How wide is the lawn in the drawing?

- 3 centimeters 2 centimeters
 0 centimeters 1 centimeter

Show your work

#11

Choose the best answer

Kevin draws a woman to scale. If the scale is 1 millimeter = 6 meters and the woman is 4 millimeters tall in the drawing, how tall is he really?

- 23 meters 17 meters
 30 meters 24 meters

Show your work

#12

Choose the best answer

Logan drew a scale drawing of a house and its lot. The scale of the drawing was 1 centimeter = 2 meters. The actual width of the lawn in backyard is 4 meters. How wide is the lawn in the drawing?

- 1 centimeter 0 centimeters
 2 centimeters 3 centimeters

Show your work

Question	Answer
#1	3
#2	3
#3	choice 3
#4	3
#5	choice 1
#6	choice 1
#7	choice 4
#8	2
#9	24
#10	choice 2
#11	choice 4
#12	choice 3