



#1

Nathan is an engineer and has to design the solar sail for the propulsion system of a new spacecraft. The larger the area of the sail, the greater thrust it will gain from the solar radiation. If the rectangular sail has sides of 4 feet and 3 feet, then what is its area?

 square feet

Show your work

#2

The top of a square coffee table has a height of 1 foot and a width of 3 feet. What is the area?

 square feet

Show your work

#3

A table top has sides of 1 foot and 2 feet. What is the area?

 square feet

Show your work



#4

In order to determine how much seed to buy, Sydney needs to find the area of a rectangular plot of farm land. What is the area if the width is 4 kilometers and the height is 2 kilometers?

 square kilometers

Show your work

#5

An area rug has side lengths of 5 feet by 4 feet. What is the rug's area?

 square feet

Show your work

#6

Ava is an engineer and has to design the solar sail for the propulsion system of a new spacecraft. The larger the area of the sail, the greater thrust it will gain from the solar radiation. If the rectangular sail has sides of 4 feet and 5 feet, then what is its area?

 square feet

Show your work



#7

An area rug has side lengths of 4 feet by 3 feet. What is the rug's area?

square feet

Show your work

#8

Mason is an engineer and has to design the solar sail for the propulsion system of a new spacecraft. The larger the area of the sail, the greater thrust it will gain from the solar radiation. If the rectangular sail has sides of 2 feet and 3 feet, then what is its area?

square feet

Show your work

#9

Isabelle is an engineer and has to design the solar sail for the propulsion system of a new spacecraft. The larger the area of the sail, the greater thrust it will gain from the solar radiation. If the square sail has sides of 2 feet then what is its area?

square feet

Show your work



#10

The surface of a piece of cardboard is 5 feet long and 2 feet wide. What is the piece of cardboard's area?

square feet

Show your work

#11

In order to find the amount of flooring Julia needs to buy, find the the area of a square room that has a width and height of 3 meters.

square meters

Show your work

#12

The top of a square coffee table has a height of 4 feet and a width of 1 foot. What is the area?

square feet

Show your work

Question	Answer
#1	12
#2	3
#3	2
#4	8
#5	20
#6	20
#7	12
#8	6
#9	4
#10	10
#11	9
#12	4