

#1

Darren 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 3 feet then what is its area?

square feet

Show your work

#2

In order to find the amount of flooring Ethan needs to buy, find the the area of a rectangular room that has a width of 1 meter and a height of 4 meters.

square meters

Show your work

#3

Alexander 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 4 feet then what is its area?

square feet

Show your work

#4

A square area rug has side lengths of 2 feet. What is the rug's area?

square feet

Show your work

#5

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

#6

In order to find the amount of flooring Ashley needs to buy, find the the area of a rectangular room that has a width of 4 meters and a height of 3 meters.

square meters

Show your work

#7

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

#8

Grace lives on the International Space Station. In order to calculate the power gained by the solar panels, Grace needs to find their area. If a rectangular panel is 2 feet long and 3 feet wide then what is the area?

square feet

Show your work

#9

In order to determine how much seed to buy, Angela needs to find the area of a rectangular plot of farm land. What is the area if the width is 3 kilometers and the height is 3 kilometers?

square kilometers

Show your work



#10

Joshua 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 1 foot and 3 feet, then what is its area?

square feet

Show your work

#11

Addison 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 1 foot then what is its area?

square feet

Show your work

#12

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

square feet

Show your work

Question	Answer
#1	9
#2	4
#3	16
#4	4
#5	4
#6	12
#7	10
#8	6
#9	9
#10	3
#11	1
#12	16