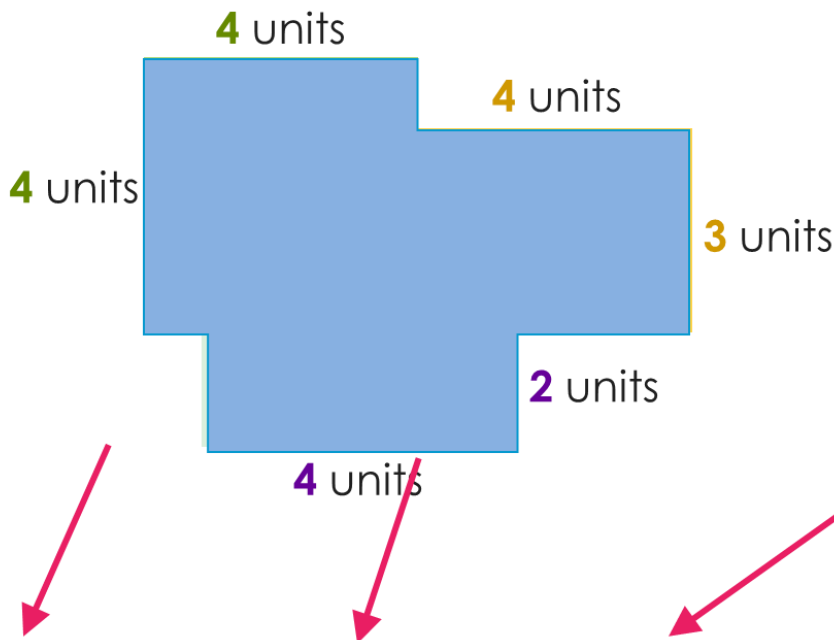


A **rectilinear shape** can be **split** into **rectangles**.

- ▶ **Add** the area of each rectangle to find the **total area**.
- ▶ Split the shape into rectangles so the length and width can be found.



$$16 \text{ square units} + 12 \text{ square units} + 8 \text{ square units} = 36 \text{ square units}$$

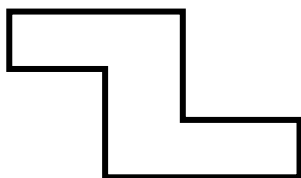
The **total area** of the **rectilinear shape** is **36 square units**.

CFU

Which shape below is a rectilinear shape? How do you know?



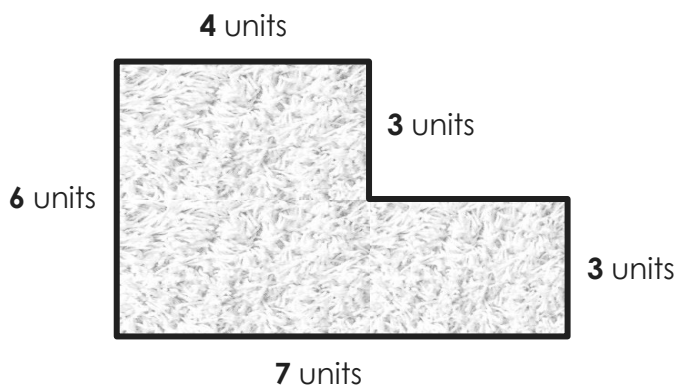
How could the rectilinear shape below be split to find the area? Explain.



In your own words, what is the area of a rectilinear shape?

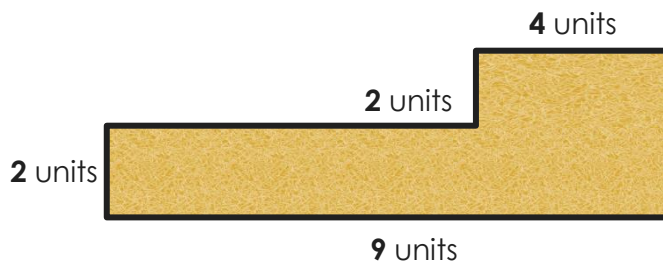
- 1 Split the rectilinear shape into rectangles.
- 2 Find the area of each rectangle.
- 3 Find the total area of the rectilinear shape.
- 4 Interpret the area of the rectilinear shape.

1.



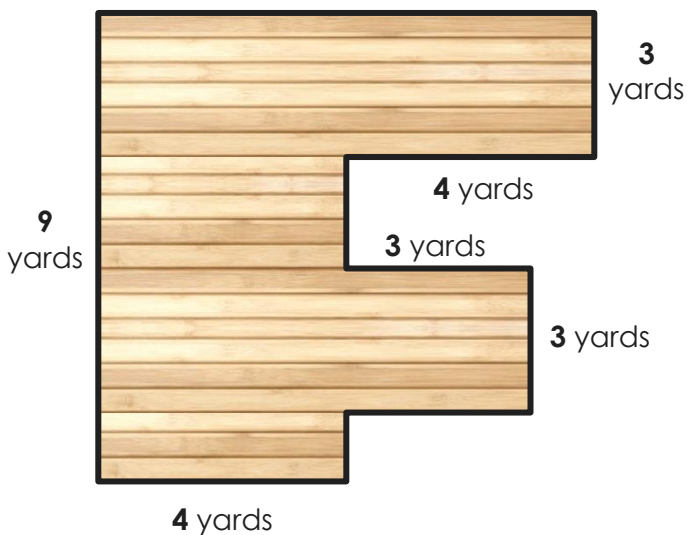
The total area is _____.

2. What is the total area?



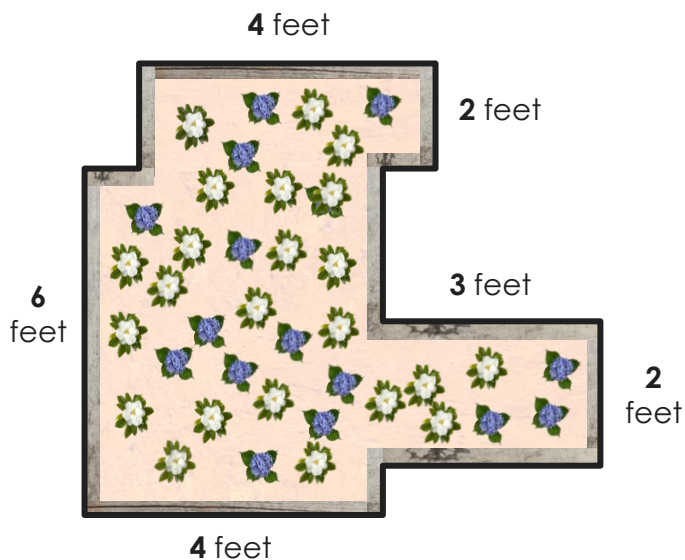
The total area is _____.

3. What is the area of the patio?



The total area is _____.

4. Find the area of the garden.

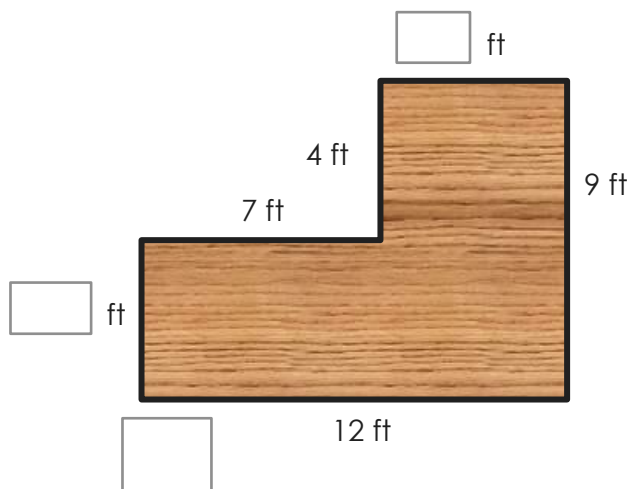


The total area is _____.

- 1 Split the rectilinear shape into rectangles.
- 2 Find the area of each rectangle.
- 3 Find the total area of the rectilinear shape.
- 4 Interpret the area of the rectilinear shape.

5. Hanna is building a desk in the shape shown below.

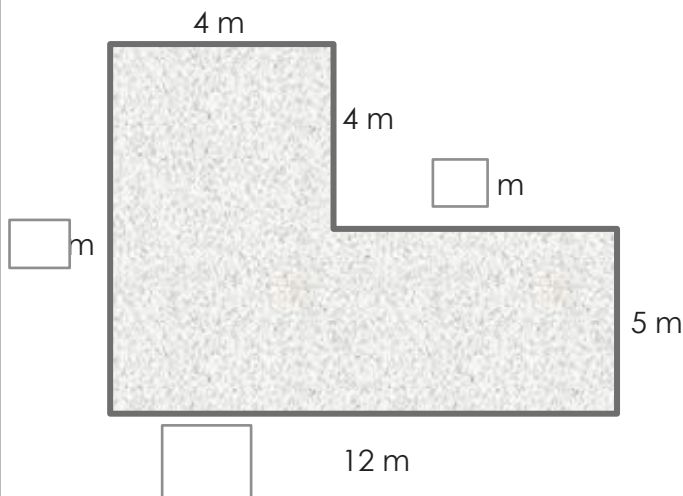
- a. Find the missing side lengths.
- b. What is the total area of the desk?



The total area of the _____.

6. Caesar wants to tile his kitchen shown below.

- a. Find the missing side lengths.
- b. What is the total area of his kitchen floor?

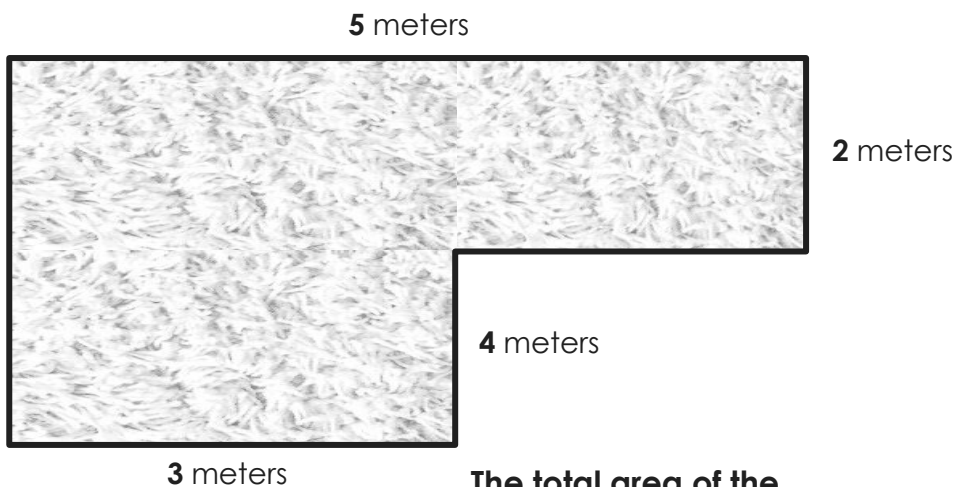


The total area of the _____.

Skill Closure

- 1 Split the rectilinear shape into rectangles.
- 2 Find the area of each rectangle.
- 3 Find the total area of the rectilinear shape.
- 4 Interpret the area of the rectilinear shape.

1. What is the area of the hallway?

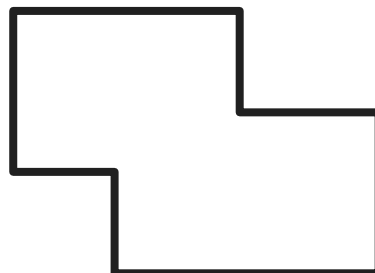


The total area of the _____.

Concept Closure

Read the problem and follow directions.

Split the shape two different ways.



Summary Closure

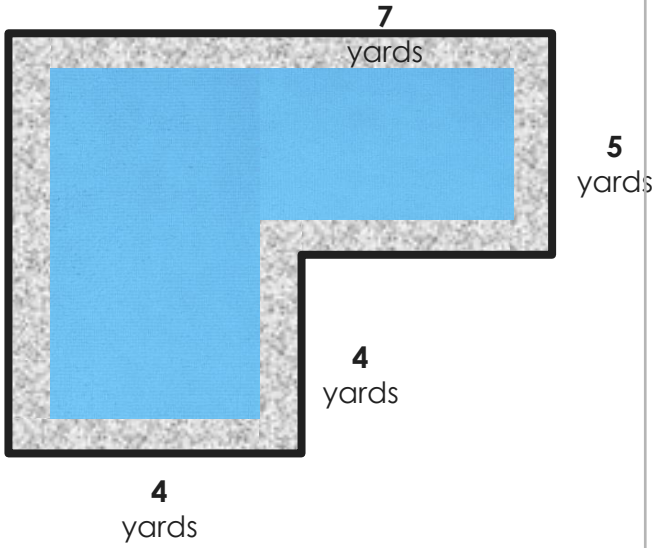
What did you learn today about finding the area of rectilinear shapes?

Word Bank

- rectilinear
- square unit
- split
- rectangle
- space

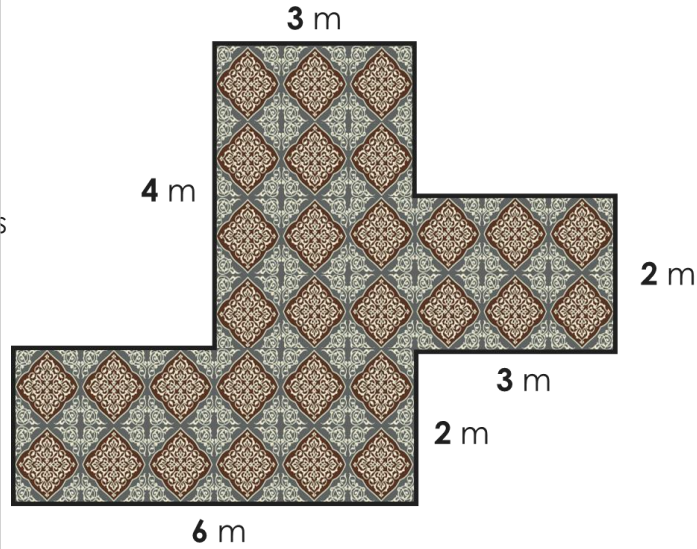
- 1 Split the rectilinear shape into rectangles.
- 2 Find the area of each rectangle.
- 3 Find the total area of the rectilinear shape.
- 4 Interpret the area of the rectilinear shape.

1. What is the area of the pool inside the fence?



The total area is _____.

2. Find the area of the floor.

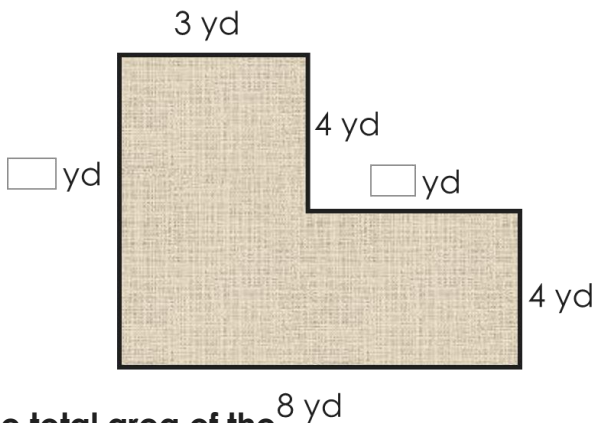


The total area is _____.

Find the area of rectilinear shapes.

3. Julie is installing a carpet in her bedroom shown below.

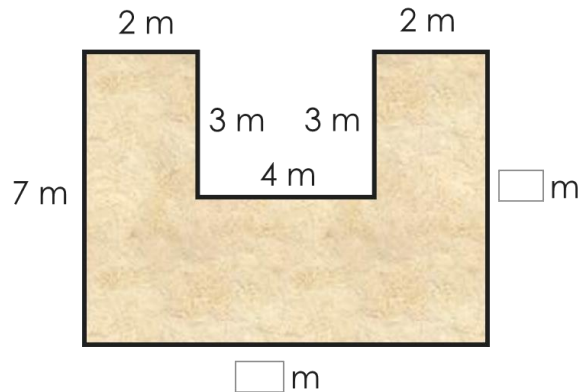
- a. Find the missing side lengths.
- b. What is the total area of her bedroom floor?



The total area of the _____.

4. Tomas is building a stage in the shape shown below.

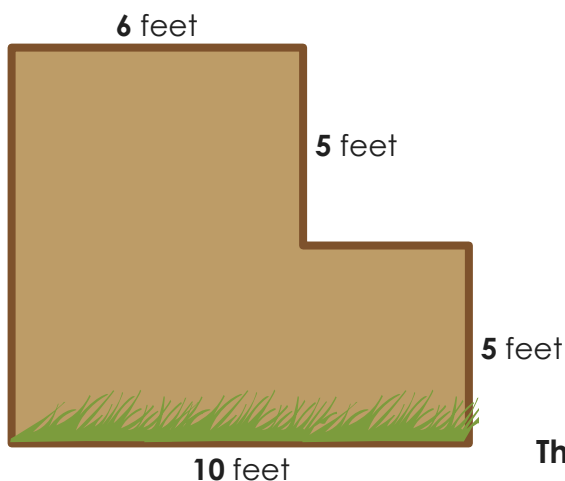
- a. Find the missing side lengths.
- b. What is the total area of the stage?



The total area of the _____.

Solve the following problem.

1. What is the area of the pig pen?



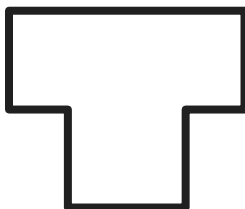
The total area of the _____.

2. Which shape below has to be split before finding the area? Explain.

A



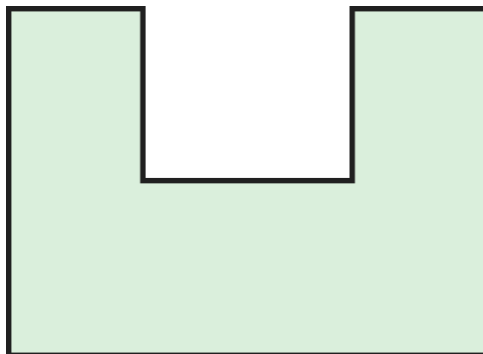
B



C

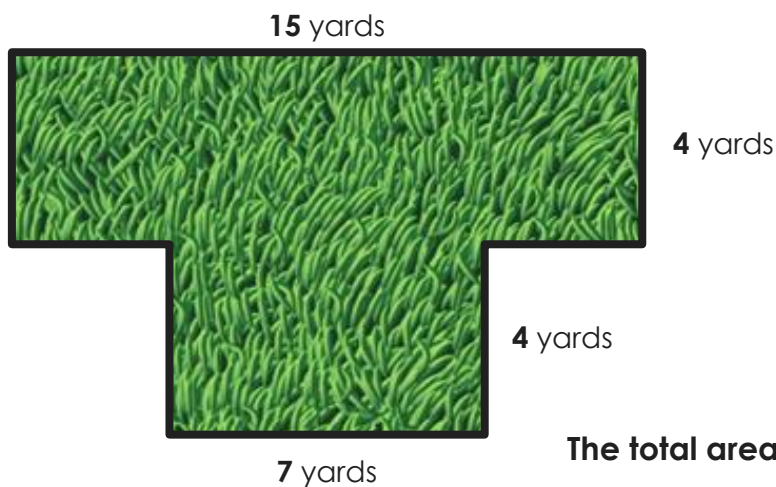


3. Draw an example of a rectilinear shape. Explain how you would find the area of the rectilinear shape you have drawn.

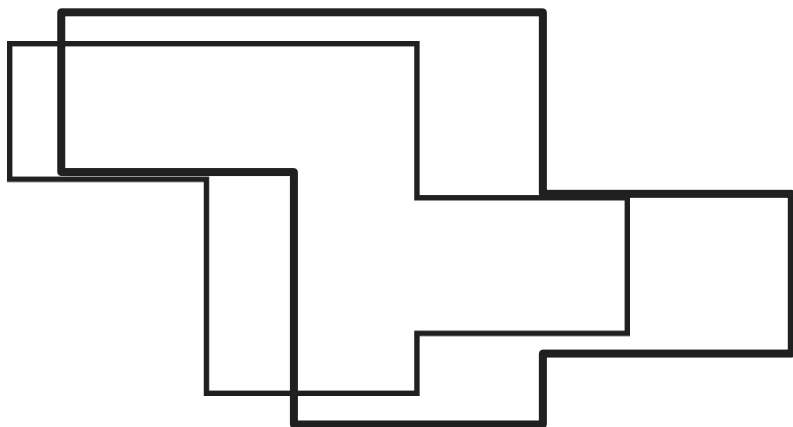


Solve the following problem.

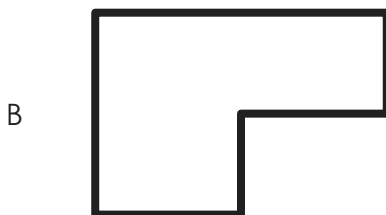
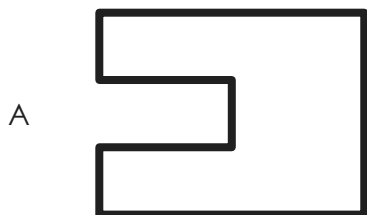
1. Find the area of the grass field.



2. Describe what steps to take to find the area of the shape below.



3. Which shape below does **NOT** have to be split before finding the area? Explain.

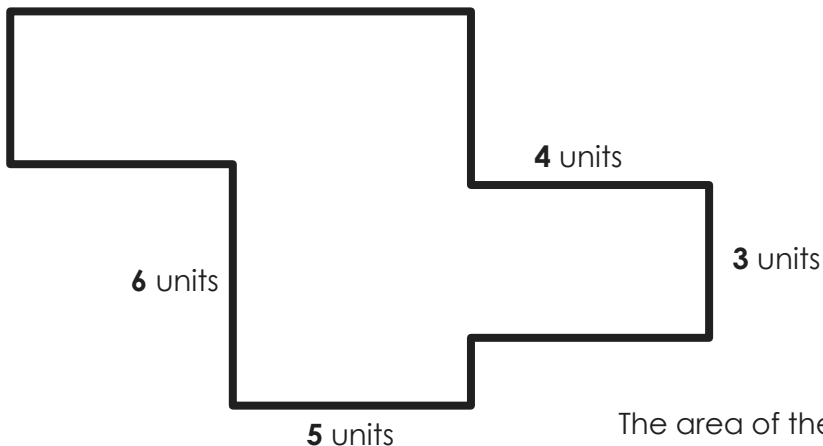


Solve the following problem.

1. What is the area of the shape?

9 units

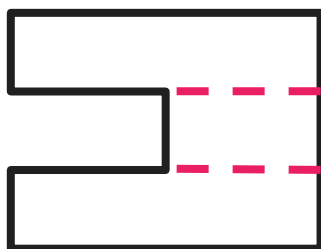
3 units



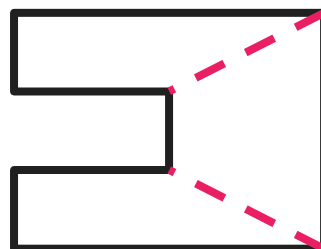
The area of the shape is _____.

2. Maria and Marcus split a rectilinear shape to find the area. They both split the shape in a different way. Who split the shape correctly? Explain.

Maria



Marcus



3. Stephen is having trouble finding the area of his lawn because it is a rectilinear shape. Help Stephen by describing how you would find the area of his lawn.

