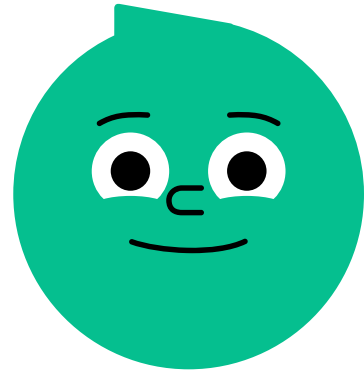


Learning and Evaluation Situation

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Mathematics

Grades 3 and 4



MATHurin's Farm



Student Booklet

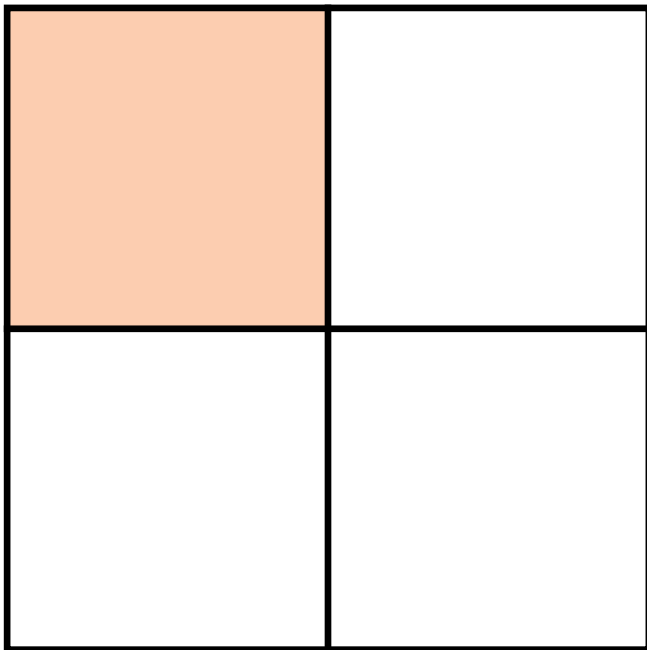
Scenario

Mathurin wants to build a farm so he can raise animals. His farm will have cows, horses, sheep, and pigs. To make sure that each type of animal has a suitable home, he needs to map out where the animal pens will be on his land.

Here are the criteria that Mathurin must meet:

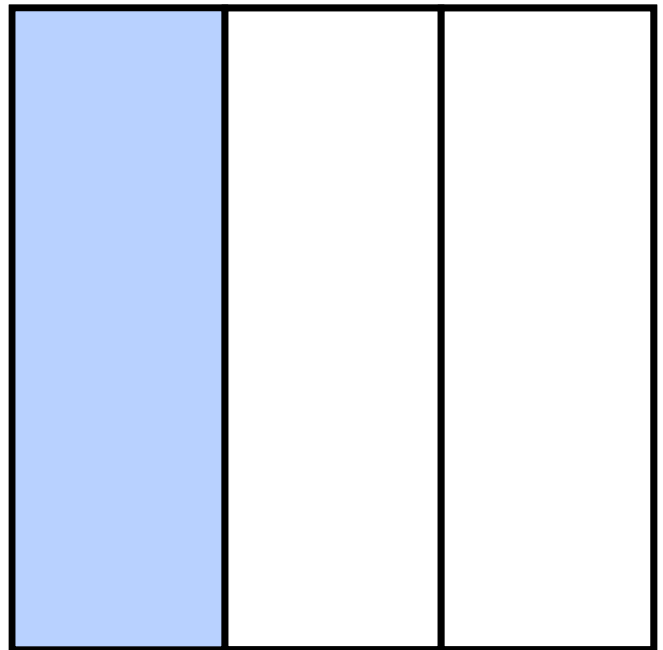
Cows

$$\frac{1}{4}$$



Horses

$$\frac{1}{3}$$



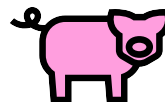
Sheep

The sheep pen takes up $\frac{1}{6}$ of the farm.



Pigs

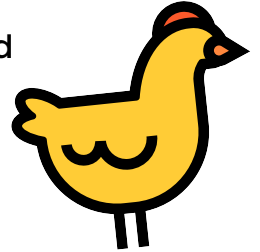
The pig pen is half the size of the cow pen.



Mathurin drew a plan of his farm, dividing it into 144 square units. He wants to use this plan to figure out where to put the animal pens and where to build a road. This road must give him access to all the animal pens from his house, which is not on the farm grounds.

It's a big project; Mathurin needs your help! Here's what you have to do:

- Calculate the number of square units in each pen.
- Choose the location for each animal pen.
- Plan a route that passes by each pen.
- Draw Mathurin's house off the farm grounds. It must be connected to the route that passes by each pen.

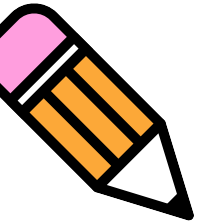
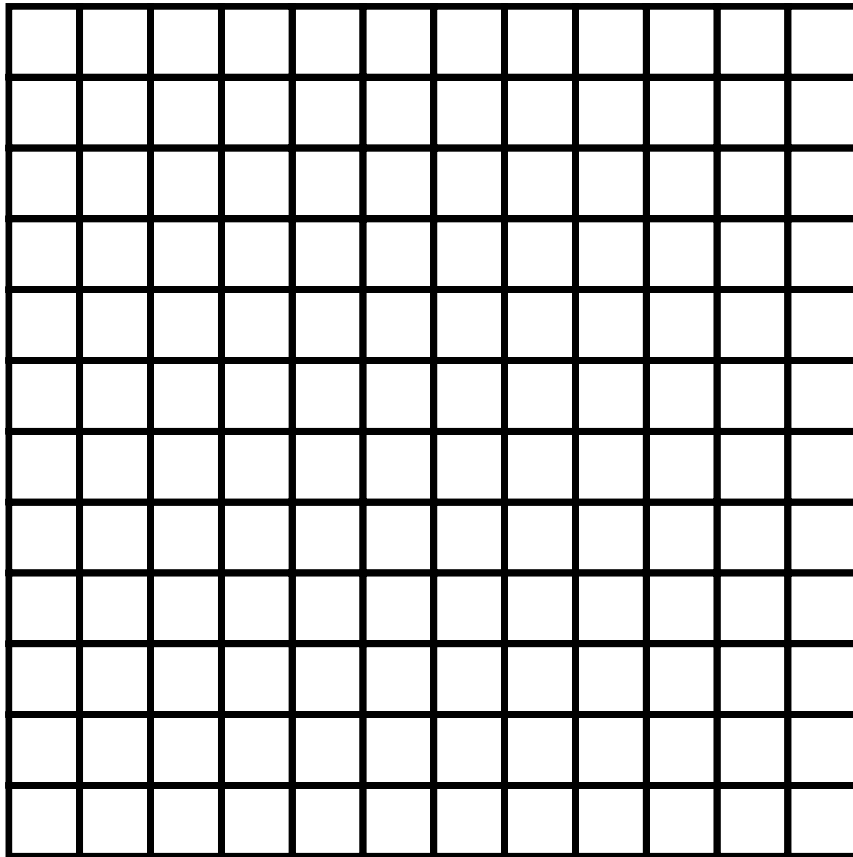


Answer

Write your answers below.

Don't forget to leave traces of your calculations!

Mathurin's farm grounds





What is the area of the cow pen?

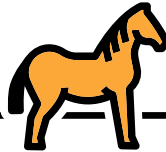


Calculations:

The area of the cow pen is _____ square units.



What is the area of the horse pen?



Calculations:

The area of the horse pen is _____ square units.



What is the area of the sheep pen?



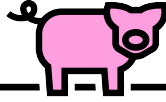
Calculations:

The area of the sheep pen is _____ square units.





What is the area of the pig pen?



Calculations:

The area of the pig pen is _____ square units.

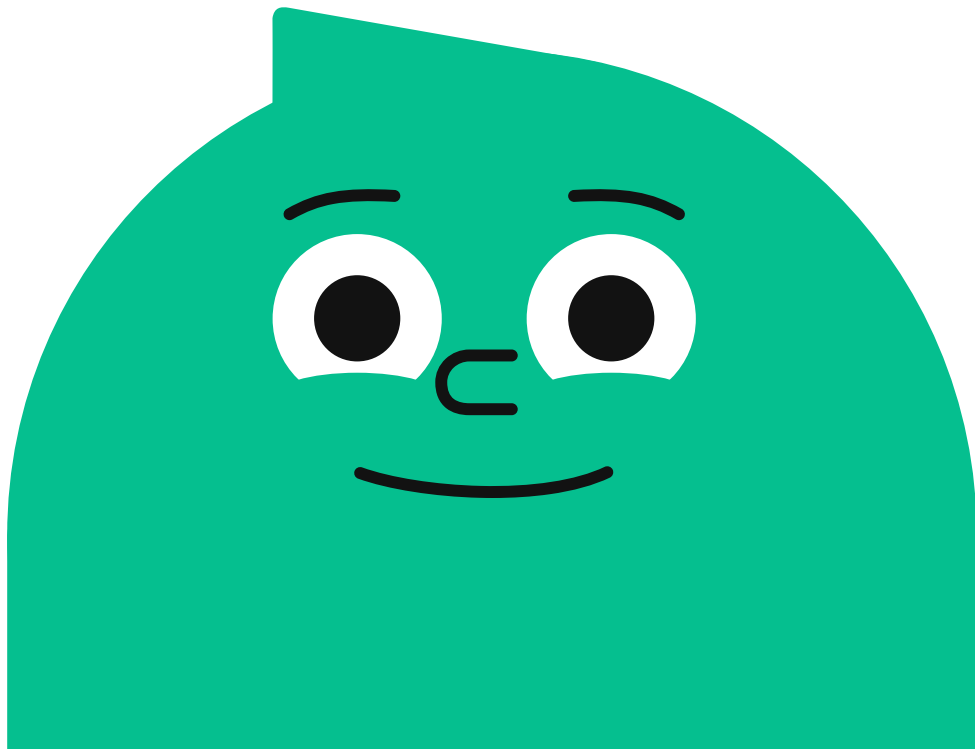


What is the area of the route?



Calculations:

The area of the route is _____ square units.





Self-evaluation

Indicate the extent to which you agree or disagree with each of the following statements about your work by ticking the appropriate box.

	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
I understood the instructions.	☐	☐	☐	☐	☐
I put a lot of effort into the activity.	☐	☐	☐	☐	☐
I respected the requirements.	☐	☐	☐	☐	☐
The activity was mentally stimulating.	☐	☐	☐	☐	☐
I'm proud of the end result.	☐	☐	☐	☐	☐
I learned something.	☐	☐	☐	☐	☐

