

**CHICKA CHICKA BOOM BOOM, WILL THERE BE ENOUGH ROOM... IN MY COOP?**

# Chicken breeds

You have been hired to construct a chicken coop for 12 laying hens. Mr. Rooster, our farmer, is in desperate need of eggs! He would like to purchase 12 laying hens but needs your team to construct a chicken coop for his farm that will help his hens stay safe and healthy. He lives in Ohio, so his hens will experience four different climate seasons that range in temperatures from  $-10^{\circ}\text{F}$  to  $98^{\circ}\text{F}$ . He would like to get as many eggs as possible to feed his family each day. What breed of chicken is best for him?

**Research:** What characteristics do the following breeds have that will help you to determine which breed is best for Mr. Rooster?

**WHITE LEGHORN**

**PLYMOUTH BARRED ROCK**

**RHODE ISLAND RED**

**ORPINGTON**

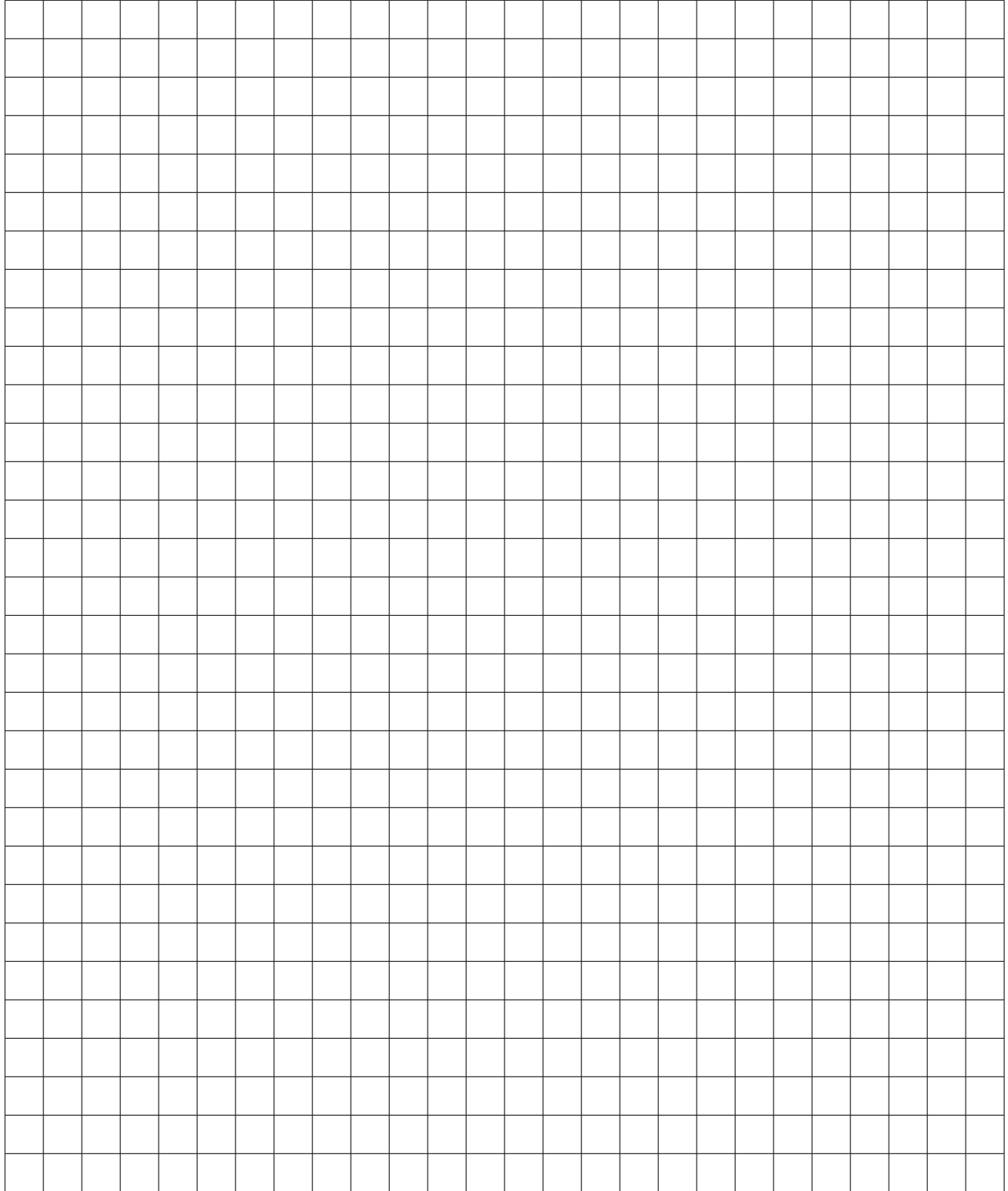
**COCHIN**

**MARAN**

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# Design a coop

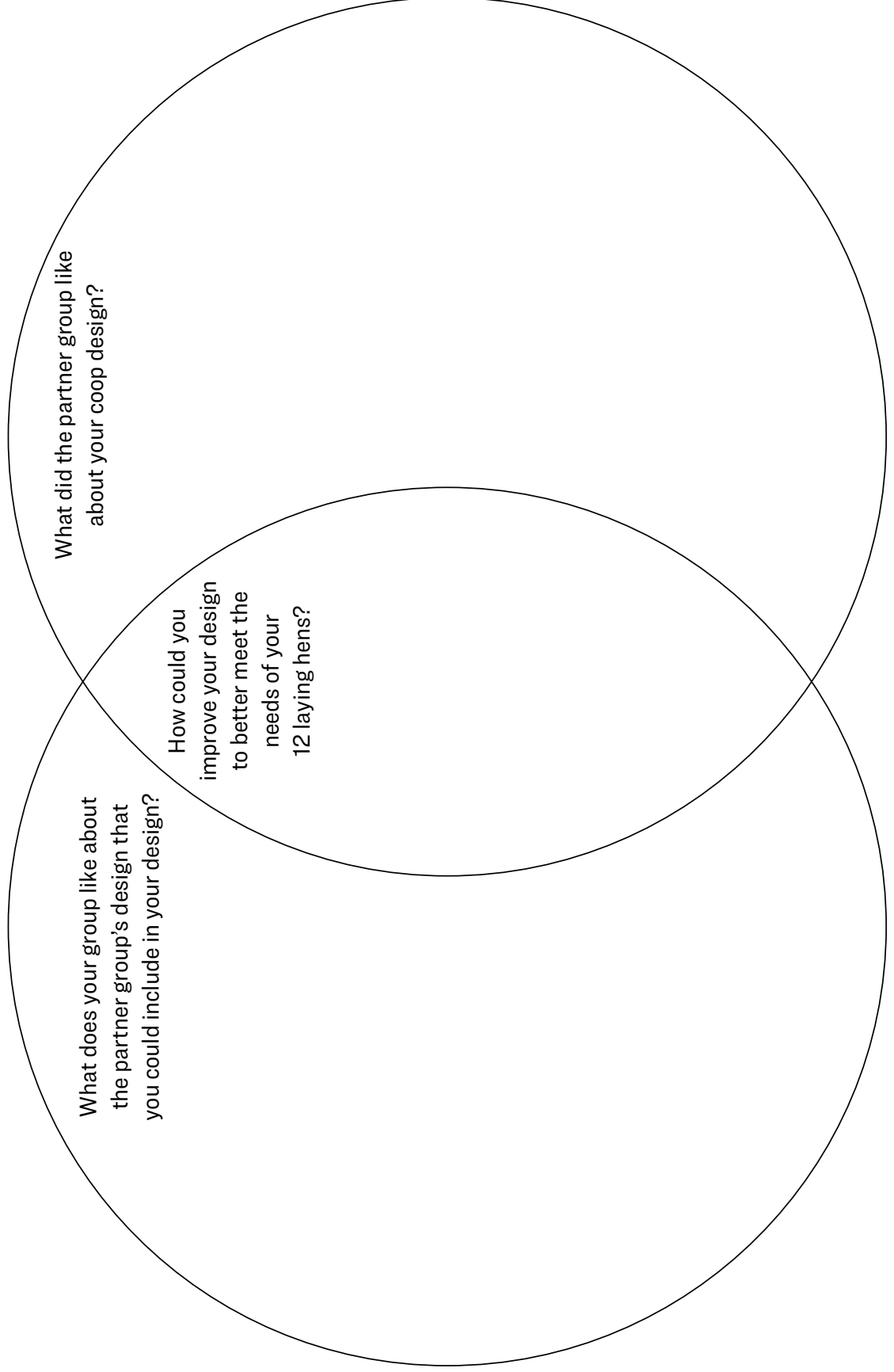
Design your chicken coop in the graph below. This should be a scaled drawing with measurements written to indicate its dimensions. Draw in anything that should belong in the coop to make your hens happy and productive. For example: feeder, waterer, nesting box, etc.



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### Peer review

Share your design with another student group. Explain how your design meets the needs of the twelve laying hens you have selected. Next, compare your design to your peer group's design. Complete the Venn diagram below.





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# Student rubric

Did you meet the needs of Mr. Rooster's 12 laying hens?

<b>Skill</b>	<b>Yes</b>	<b>No</b>	<b>Unsure</b>
Create a chicken coop that meets the needs of Mr. Rooster's 12 laying hens? (Water, food, safety, shelter, nesting boxes, preventing boredom)			
Explain how your design keeps Mr. Rooster's 12 laying hens happy, safe and productive.			
Write a persuasive paragraph to encourage Mr. Rooster to purchase your chicken coop.			