

SCORECARD: Stable Figures (Grade 5)

+ DIRECTIONS

Provide your teacher with the team scorecard when you are ready to test your prototype. Your teacher will complete the chart below by circling the scores your prototype received for each of the criteria. Your teacher will calculate your score. Decide as a team if you can improve your score.

CRITERIA	2 POINTS	1 POINT	0 POINTS	SCORE
COLLABORATION	The design has elements contributed by all team members.	The design has elements contributed by two team members.	The design does not have elements contributed by each team member.	
PERIMETER	The perimeter of the barn is > 127 cm.	The perimeter of the barn is < 127 cm.	The perimeter of the barn was not calculated.	
AREA	The area of the barn is < 510 sq. cm.	The area of the barn is > 510 sq. cm.	The area of the barn was not calculated.	
HEIGHT	The height of the barn is ≥ 15 cm.	The height of the barn is < 15 cm.	The height of the barn was not calculated.	
PENS	The barn includes a separate pen for the horses, pigs, and chickens.	The barn only includes two separate pens.	The barn does not include any separate pens for the horses, pigs, and chickens.	
ANGLES	The barn includes right, obtuse, and acute angles.	The barn includes 2 of the 3 angles (right, obtuse, acute).	The barn does not include any right, obtuse, or acute angles.	
WINDSTORM	The barn can withstand a high-speed windstorm.	The barn can withstand a medium-speed windstorm.	The barn can withstand a low-speed windstorm.	
FLOOR PLAN AND COST OF LABOR	The contractor provided the Jeffersons with an accurate floor plan.	The contractor provided the Jeffersons with a floor plan, but it was inaccurate.	The contractor did not provide the Jeffersons with a floor plan.	
BONUS	The floor plan was accurately converted from sq. cm. to sq. m.	The floor plan was inaccurately converted from sq. cm. to sq. m.	The floor plan was not converted from sq. cm. to sq. m.	
TOTAL SCORE				