PROJECT CRITERIA

ROSS MIDDLE SCHOOL

CRITERIA:

- 1. The shade tarp needs to cover an area of at least 300 square feet.
- 2. There must be seating for at least 27 students.

PROJECT BUDGET: \$1,200

KLEIN MIDDLE SCHOOL

CRITERIA:

- 1. The shade tarp needs to cover an area of at least 230 square feet.
- 2. There must be seating for at least 25 students.

PROJECT BUDGET: \$950



POLK MIDDLE SCHOOL

CRITERIA:

- 1. The shade tarp needs to cover an area of at least 375 square feet.
- 2. There must be seating for at least 30 students.

PROJECT BUDGET: \$1,400

KNOX MIDDLE SCHOOL

CRITERIA:

- 1. The shade tarp needs to cover an area of at least 315 square feet.
- 2. There must be seating for at least 24 students.

PROJECT BUDGET: \$1,300



PROJECT CRITERIA

PINE MIDDLE SCHOOL

CRITERIA:

- The shade tarp needs to cover an area of at least 450 square feet.
- 2. There must be seating for at least 35 students.

PROJECT BUDGET: \$1,700



WEST MIDDLE SCHOOL

CRITERIA:

- 1. The shade tarp needs to cover an area of at least 160 square feet.
- 2. There must be seating for at least 23 students.

PROJECT BUDGET: \$750



ALIN MIDDLE SCHOOL

CRITERIA:

- 1. The shade tarp needs to cover an area of at least 515 square feet.
- 2. There must be seating for at least 26 students.

PROJECT BUDGET: \$1,900



RICE MIDDLE SCHOOL

CRITERIA:

- 1. The shade tarp needs to cover an area of at least 305 square feet.
- There must be seating for at least 22 students.

PROJECT BUDGET: \$1,100



Unit: Geometry
Performance Task

Name .		
Date	Pd	



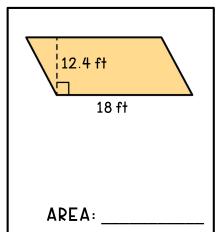
OUTDOOR EDUCATION

Your school PTO raised money to provide updates to your middle school's outdoor classroom. The money will go towards buying a shade tarp for the space and new seating for students. Use your project budget and criteria to design a plan for the updates of the outdoor classroom.

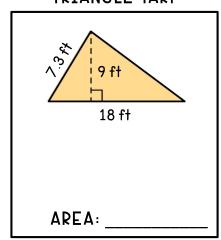
BUDGET	CRITERIA
	1.
	2.

Your school will order a shade tarp from Made in the Shade. The company offers three tarp options as shown below. Find the area of each tarp option.

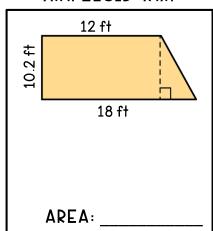
PARALLELOGRAM TARP



TRIANGLE TARP



TRAPEZOID TARP



Two or more tarps can be fastened together to create a custom tarp design. Determine the combination of tarp options that will meet the needs of your outdoor classroom. Describe your design and calculate the total area that it will cover.

Made in the Shade uses a waterproof material for the tarp and charges \$3 per square foot. Determine the total cost of the shade tarp you designed and the amount remaining in your budget.

TOTAL AREA OF SHADE TARP: _____

COST OF SHADE TARP:

AMOUNT REMAINING IN BUDGET: _

					utdoor classroom. List the emaining in your budget.	
AMOUNT OF SE	ATING	S: A	MOVI	NT REMAINING IN	SUDGET:	
Hay bales are available shown below. The culton for two students. Find	e prov	vides seating for on	e stud	<u> </u>	with the dimensions ar prism provides seating	
2 ft 2 ft	2 f			$1\frac{1}{2}$ ft 2 ft	3 ¹ / ₂ ft	
		CUBE			RECTANGULAR PRISM	
FORMULA				FORMULA		
PLUG IN VALUES				PLUG IN VALUES		
VOLUME				VOLUME		
				<u> </u>	ements and budget to help the table below with your	
HAY PALE ST	/LE	COST PER HAY BAL	E G	NUANTITY ORDERED	TOTAL COST	
CUBE						
RECTANGULAR PRISM						
TOTAL COST OF SEATING						
Including the shade to far under or over bu	•	Ŭ.	the to	otal cost of your proj	ect plans below and how	
TOTAL PROJE	CT CC	OST:	_	OVER/UNDER BUDG	ET:	
		vina nroces List o	inv wc			
or anything you would		ge if you were to de	-		ved more on the project	

OUTDOOR EDUCATION —————