



The Rock Ranch



Fourth Grade Worksheets

Language Arts: ELA4C1e. and ELA4R1e.

Math: M4N5c. and M4N4b.

Science: S4L2a.- b. and S4L1d.

Social Studies: SS4H3b. and SS4G2c.



Name _____

Read the following short story using context clues to understand the meaning of the vocabulary. Then answer the questions below.



Mr. Truett stayed busy working on his livestock farm. He had many animals to take care of by making sure each animal had shelter, food, and water. They had to be cared for differently depending on the season. For instance, Mr. Truett fed the animals in the barn during winter and on the pasture in the summer.

During calving season, Mr. Truett had to ensure the heifers did not experience complications during the birthing of their calves. One time on The Rock Ranch, one of the heifer's calf died. Mr. Truett spent more time with that heifer by putting a little dogie with a cow whose calf had died. Another heifer delivered a crossbred calf - the mother was a Hereford and the father was an Angus.

A week after the birth of the calves, Mr. Truett vaccinates the calves. He also removes the horns from any other cattle that weren't born polled. Mr. Truett then spent the extra free time watching the cattle chewing their cud!

1. The _____ is a large area of grassland where cattle wander and graze.
2. A _____ is herding together the cattle for branding and inspecting.
3. _____ is domestic animals raised for profit or farm use.
4. Food that is regurgitated from the cow's first stomach to its mouth and chewed again is called _____.
5. The offspring of two different purebred breeds is called a _____.



Name _____

A Pond's Ecosystem

Look at the picture below. What else could be in this ecosystem?



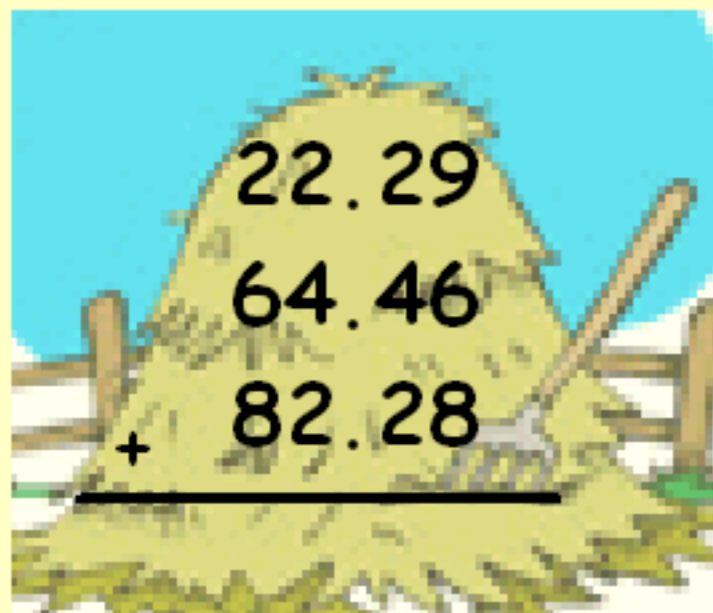
1. Add living things (organisms and plants) to the picture and label correctly to show the web of life of producers and consumers.
2. Think about what would happen to this ecosystem if changes occurred. How would the living things be affected if someone cut the tree down?

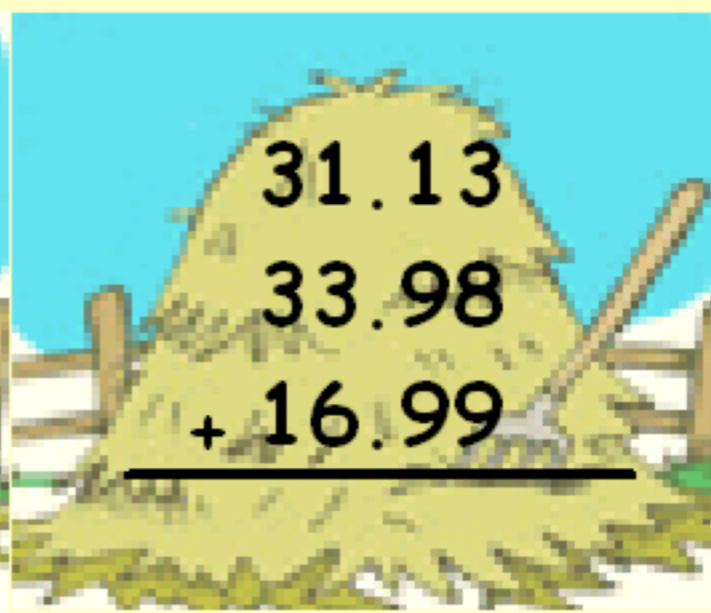
3. What would happen if the pond dried up?

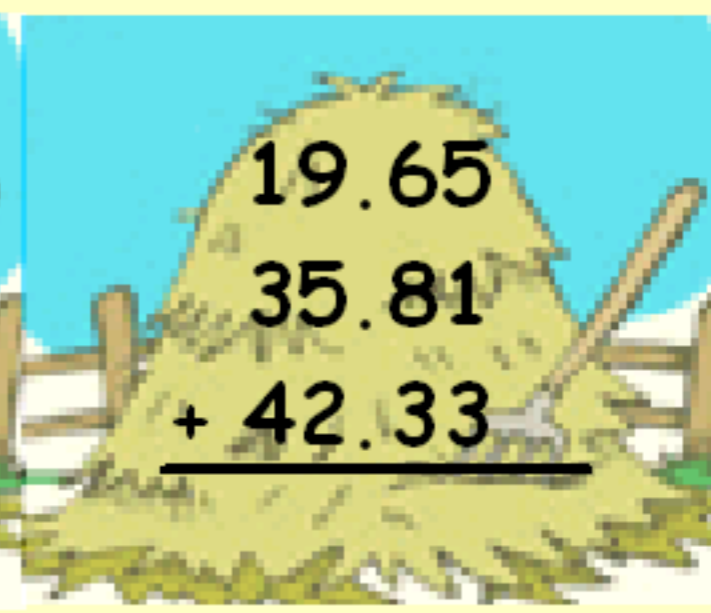


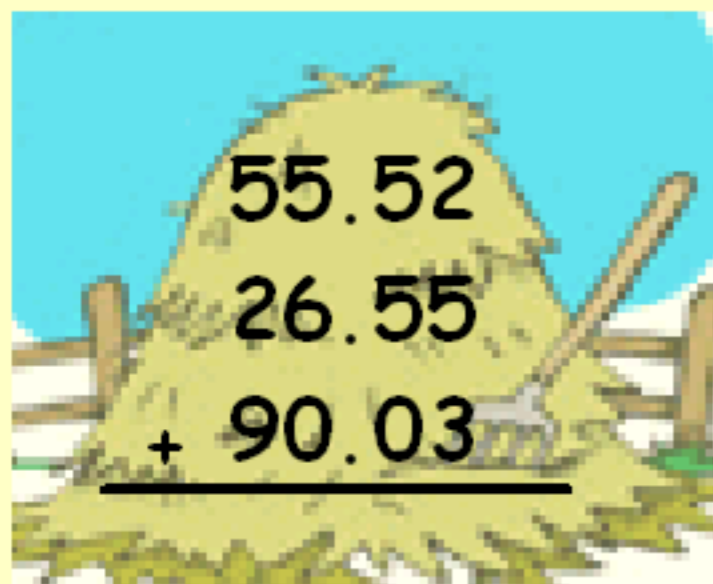
Name _____

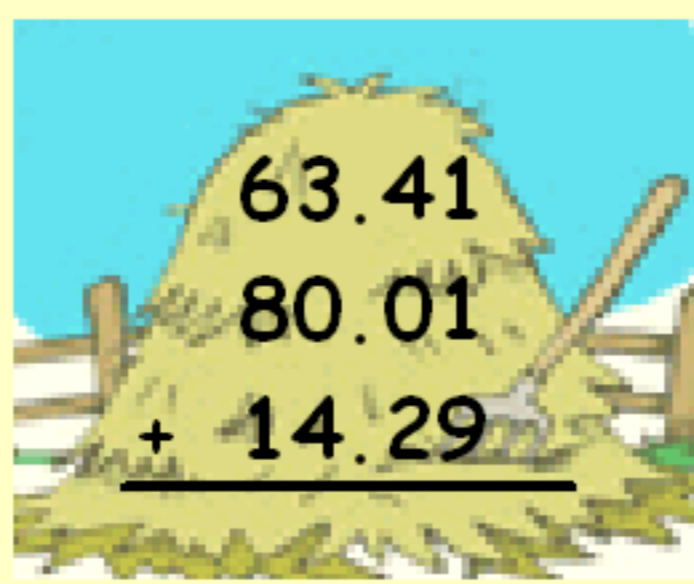


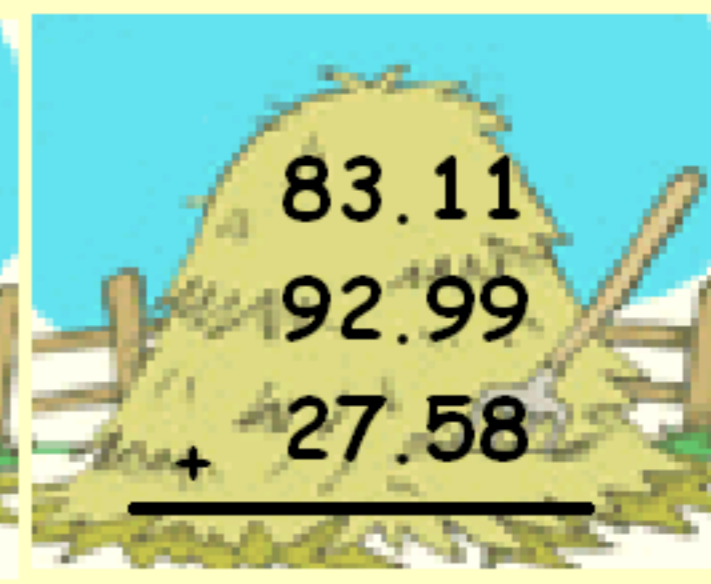

$$\begin{array}{r} 22.29 \\ 64.46 \\ + 82.28 \\ \hline \end{array}$$


$$\begin{array}{r} 31.13 \\ 33.98 \\ + 16.99 \\ \hline \end{array}$$


$$\begin{array}{r} 19.65 \\ 35.81 \\ + 42.33 \\ \hline \end{array}$$


$$\begin{array}{r} 55.52 \\ 26.55 \\ + 90.03 \\ \hline \end{array}$$


$$\begin{array}{r} 63.41 \\ 80.01 \\ + 14.29 \\ \hline \end{array}$$


$$\begin{array}{r} 83.11 \\ 92.99 \\ + 27.58 \\ \hline \end{array}$$





Name _____

1. Farmer Truett's truck averages 14 miles per gallon on a trip to the sale barn. The total mileage of the trip is 280 miles. How many gallons of gas will he need to make the trip?

2. Farmer Truett can plant 2 acres per hour. How many acres can he plant in a 40 hour week?

3. Jeff used 44,000 lbs. of seed to plant 8848 acres. How much seed did he use per acre?

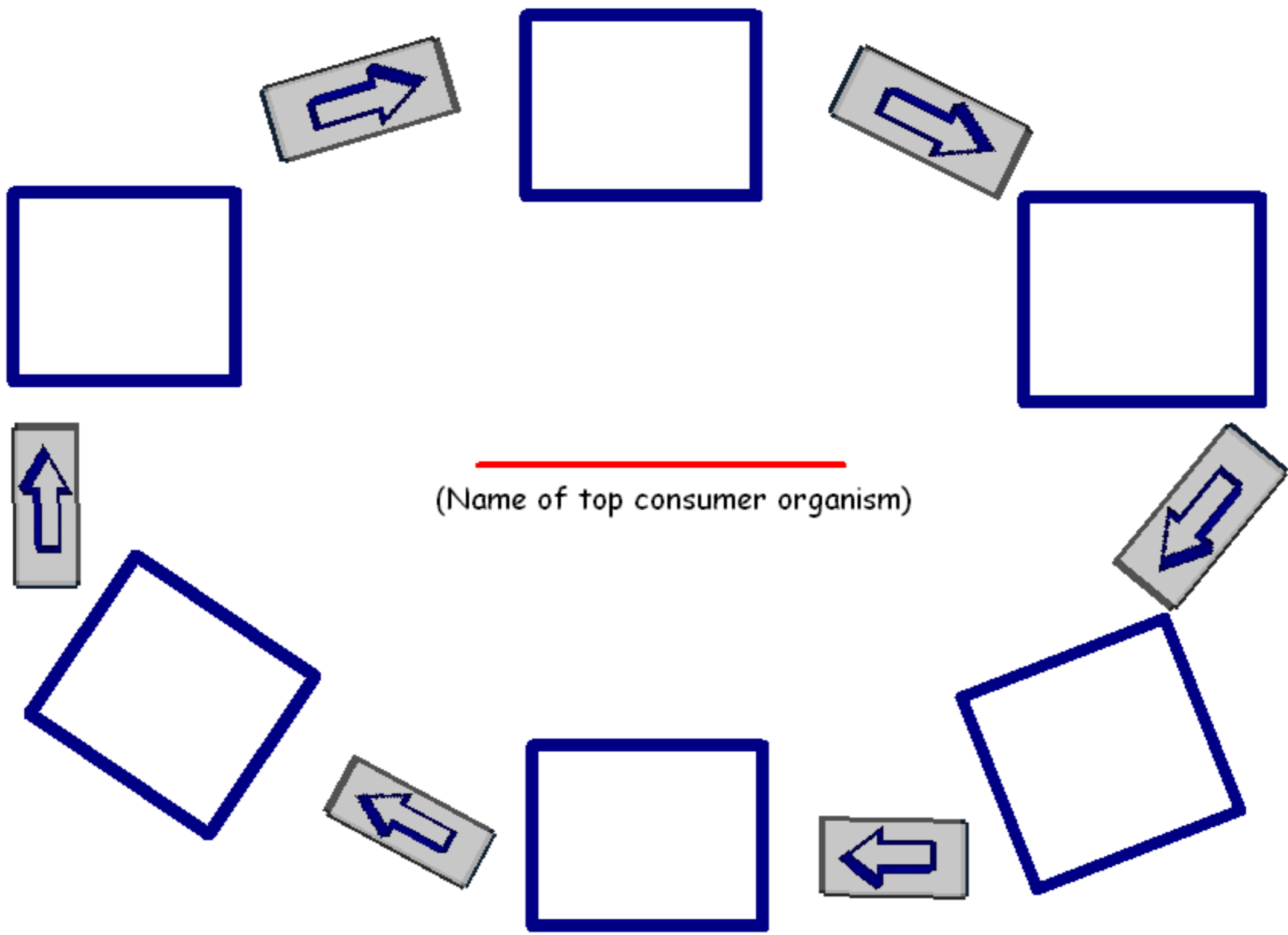
4. Farmer Truett allocates 2 cows per acre. He has 7462 acres. How many cows can he have on his farm?





After your investigation of the pond at The Rock Ranch, chose six pond organisms to create a food web (producer, consumer, decomposer - shelter - protection).





Name _____



(Name of top consumer organism)



Name _____

<p>1. A chameleon can change its color to match its surroundings. This is known as_____.</p> <p>a. camouflage b. hibernation c. migration</p>		<p>2. Where do most crustaceans live?</p> <p>a. in the air b. in the water c. underground</p>
<p>3. What do fish and frogs have in common?</p> <p>a. fins b. scales c. cold-blooded</p>		<p>4. Which animal is an amphibian?</p> <p>a. frog b. fish c. turtle</p>
<p>5. What changes when a tadpole becomes a frog?</p> <p>a. eyes and ears form b. eggs hatch c. lungs and legs form</p>		<p>6. How can humans stop living things from becoming extinct?</p> <p>a. hunt all of them b. change their food supply c. protect their habitat</p>
<p>7. Which of the following trait does a plant pass down to its seeds?</p> <p>a. flower color b. amount of light received c. what animal uses it for food</p>		<p>Put the pictures in order to show growth.</p> <p>   </p> <p>a. 2-3-1-4 b. 1-2-3-4 c. 3-1-4-2</p>



Name _____

Compare the life of a colonial farmer to the present day farmer. Chart the similarities and difference on the diagram. Be sure to include the past equipment as opposed to today's machinery.





Name _____



Create a map of the physical geography of The Rock Ranch. Illustrate and label the economic sources of this ranch. Explain your reasoning in a paragraph beneath your drawing.
