A THOUSAND MILES OF DESERT AND MOUNTAINS

Vocabulary

1) overland: by land (as in traveling by land)

2) chisel: a tool with cutting edge of blade on its end for carving or cutting a hard material such as wood, stone, or metal by hand, struck with a mallet, or mechanical power.

3) pack saddle: a device designed to be secured on the back of a horse, mule, or other working animal so it can carry heavy loads such as luggage, firewood, food/water, weapons, etc.

4) canvas: a strong, coarse unbleached cloth made from hemp, flax, cotton, or a similar yarn, used to make items such as sails and tents.

5) rivets: short metal pins or bolts for holding together two plates of metal, its headless end being beaten out or pressed down when in place.

6) canteen: a small water bottle, as used by soldiers and campers.

7) watercress: a cress (plant) that grows in running water and whose leaves are used in dishes such as salads.

8) lasso: a rope with a noose at the end, often used for catching cattle or horses.

Writing Prompts

1) Have you every traveled by train? Describe the experience or what you think the experience would be like. Where would you travel to and why? Should discuss traveling somewhere by train.

2) George was told to keep a bell on the burro to help keep the burro from getting lost. If you have a pet, how do you keep it from getting lost, or if you had a pet, how would you keep it safe? The burros sometimes like to wander off. What is the most annoying habit your pet has or that your friend's pet has? Should discuss keeping a real or imaginary pet safe and an annoying habit of a pet.

3) George and Josephine were told that they would be traveling across "some very important mineral country" and had a chance of "making a good discovery." What do you think this meant for George and Josephine? Have you ever made a "good discovery" while on an adventure? Describe your discovery and why you thought it was good or special. Should discuss discovering something, both in terms of the diary and in their own life.

4) Mrs. Stewart described the lead mining efforts of the Mormons and said they smelted the lead. What does this mean and what are some things that would have been made out of lead? Look around the room where you are right now and list 5 items that are made out of metal. Where do you think the source metal is found? Should discuss what smelting is, things made out of lead and other metals and where that lead/metal comes from.

5) George and Josephine camped on their trek. Describe your ideal camping trip, using lots of details to describe the landscape, scenery, smells and wildlife. Should discuss camping with specifics about the setting.

Math

1) Josephine wrote about the cost of supplies back in 1914 including: 30 cents for lumber, 25 cents for bolts, 5 cents for strips of tin, 30 cents for canvas, and 30 cents for rope.

   1. Using the table below, list the name of each item along with the cost in <u>decimal form</u>.

Item	Cost (in decimals)
lumber	$0.30
bolts	$0.25
Tin strips	$0.05
canvas	$0.30
rope	$0.30
Total for 1 each	$1.20

   2. Add up the cost of the items in the table above to find out how much it would cost to buy one of everything. Answer: $1.20

   3. How much would it cost if she bought the following: two pieces of wood, four bolts, and six strips of tin? For bonus points, write out the problem as an equation and solve using algebra.
   Answer: $2(.30) + 4(.25) + 6(.05) =$
   $$(0.6) + 1 + (0.3) = 1.9$$
   Answer: $1.90

2) George and Josephine were told to pack 10 gallons of water in their canteens for their trip to Walker Lake. If they had 24 canteens that each held ½ gallon, would they be able to carry all of the water? Answer: Yes. 24 canteens holds 12 gallons total. *Draw a picture to represent this story. Explain your answer.* Answers will vary.
   OR

3) If one canteen can hold 2 gallons of water, then how many canteens can hold 10 gallons. Set up a proportion and solve.
   $\frac{1 canteen}{2 gallons} = \frac{x\ canteens}{10\ gallons}$ Answers: 5 canteens

4) The diary said that Mrs. Stewart's husband arrived 32 years before 1914. What year do you think that was? Set up an equation to solve the problem to find the year he arrived. Use y to represent the unknown year.

   $y + 32 = 1914$ or $1914 - 32 = y$ Answer: 1882

5) Bolts cost 25 cents and tin costs 5 cents. Write each value as a decimal. Then write each as a fraction. Make sure your final fractions are in lowest terms. Make a number line and write both fractions in the proper order. Which one costs less?

Answers: .25 for bolts and .05 for tin.

Bolts $\frac{25}{100} = \frac{1}{4}$

Tin $\frac{5}{100} = \frac{1}{20}$ – Tin costs less

Check number line. Tin (1/20) should be closer to zero and to the left of bolts (1/4) on a number line.

6) True or False: 30 cents $> \frac{3}{10}$ Explain your answer.

Answer: False $\frac{3}{10} = \frac{30}{100}$ since 30 cents is written as 30/100 and reduced is 3/10.
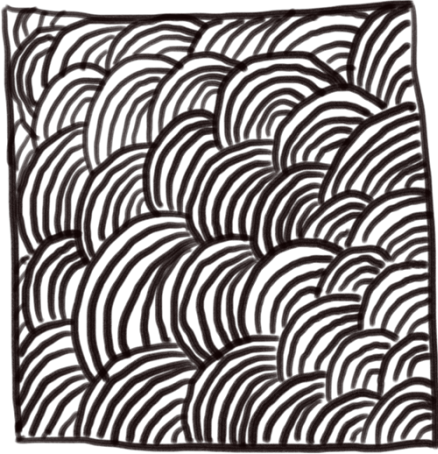
7) Bonus Question - In 1914, the cost of a rope was 30 cents. If the cost of a rope today is $12 on Amazon, what is the percent of increase? Answer: Find the change (subtract the new price from the old) and divide by the old price. To find the %, multiply your answer by 100 to find the % of increase.

$$\frac{(\$12 - \$0.30)}{\$0.30} = \frac{\$11.70}{\$0.30} = 39 x 100 = 3,900\%$$

Art

In your journal, design a pack saddle for your own burro. Use your imagination and show how the saddle would carry all the items you would take on your own 1000-mile-long trek. Decorate your pack saddle in a style that suits you. Should convey a saddle with items in/attached to it.

This week's Zentangle pattern: using groups of arcing lines, start at the bottom corner and work your way across the square, repeating the pattern.

1000 Miles of Desert and Mountains
Library.unr.edu/1000-Miles