Math & Science Homework Boxes Mondau 1. $\% \times \% =$ 1. Mr. Jones owns a home that sits on 2% acres of land. He has decided to plow up 1/4 of his property to create a garden. What fraction of the property 2. Use two strategies to solve: 1/4 divided by 3 will he plow? 3. Ms. Patel cut 2 ½ inches of wood off of a board 2. Compare the 7s in the following numbers: that was originally 7 ½ inches long. How long was 125.73 12.027 the board after she made the cut? Write 2 different sentences that explain how they compare. 4. Write a word problem for the equation: $2 \frac{1}{4} \times 1 \frac{1}{4}$ 3. 3-3/5 4-13/4 5. What key words can you expect to find in a word problem about **dividing** fractions? Wednesday Thursday 1. Miguel runs 3.45 miles on Monday, 1.7 miles on 1. Rewrite each improper fraction as a mixed Wednesday, and 2.50 miles on Thursday. If he does number: this for two weeks, how many miles does he run in a. 48/5all? b. 29/4 c. 5/3d. 14/6 2. % of the students in a class are wearing blue 2. Round to the nearest tenth: jeans. 2/5 of the students who are wearing blue a. 13.481 jeans are also wearing red shirts. What fraction of b. 15.83 the students in the class are wearing blue jeans c. 0.99 and red shirts? d. 1.97 3. What is the **value** of the 2 in 0.529? 3. Write 5.24 in **expanded form (2 different ways)**. 4. Find the area of the rectangle. 4. Solve and Simplify: 8 ÷ 1/8 = % X 12 =

Monday Tuesday 1. Which is **most** responsible for the uneven heating 1. Which will **most likely** result from a low-pressure of the air in the atmosphere? weather system? a. Radiation b. Convection a. warm temperatures c. Conduction b. cloudy conditions d. Condensation c. clear conditions d. cool temperatures 2. Which **best** describes why winds at the beach change direction between day and night? 2. Which has the **greatest effect** on wind speed? a. precipitation a. Because the temperatures over land and b. cloud cover c. wind direction over water change b. Because warm air over land sinks and stays d. air pressure in place over land c. Because cool air rises and is replaced by 3. If 10 grams of water are added to 5 grams of salt, how much salt water will be made? warm air from the ocean d. Because cool air sinks and stays in place a. 2 grams b. 5 arams over land c. 10 grams 3. Which winds bring the US most of its weather d. 15 grams systems? a. Prevailing westerlies 4. What is the difference between a cold front and a b. Trade Winds warm front? c. Polar Easterlies d. Doldrums Wednesday Thursday 1. Which **best** describes a characteristic of the **jet** 1. A land breeze blows toward the sea at night, stream? causing the sea to: a. Become warmer a. It forms a boundary between a cold air b. Become cooler mass and a warm air mass. c. There is no change b. It creates the high winds around the eye of a hurricane. 2. The weather forecast indicates that a warm front c. It forces the hot air along the equator to rise to areas in North America. moving into the area in the next 24 hours. Which d. It causes high pressure air masses to type of weather will most likely result? rotate clockwise. a. clear skies and cold temperature b. clear skies and hot temperature 2. A sea breeze blows toward the land during the c. cloudy skies and rainy weather day causing the land to: d. heavy snow and ice a. Become warmer b. Become cooler 3. Which of the following represents a c. There is no change chemical reaction? a. a sugar cube dissolving in water 3. Name three important differences between a b. ice cubes forming in a freezer high pressure system and a low pressure system: c. ice cream melting in a bowl Low Pressure High Pressure d. a cake baking in an oven