Name _____ Week of December 3rd

Math & Science Homework Boxes

Monday

1. 9,830 ÷ 34 504 x 22

2. a. 4 ÷ 5 =
   b. 2 ÷ 7 =
   c. 3 ÷ 12 =
   d. 1 ÷ 6 =

3. There was a class of 15 students making bird feeders. Each student was given a ½ cup of sunflower seeds and 7/9 cup of bird seed mix. How much food did each student get for his or her bird feeder?

4. Give 3 equivalent fractions for ⅔.

Tuesday

1. Jill worked on her homework for 8/12 of an hour before dinner. Jonas worked on his homework for 3/5 of hour before he stopped for dinner. Who worked on their homework longer? How much longer did he or she work on homework?

2. ¼ + ⅖ + ⅞ =

3. Write each improper fraction as a mixed number:
   43/8 17/5 13/2 24/9

Wednesday

1. ¼ + ⅖ + 1 ½ =

2. Jenny has two dogs that both eat the same food. One dog eats 2 ¼ bags of food a month and the other one eats 1 ⅖ bags of food a month. How many bags of food do they eat altogether in one month?

3. The gas tank of Ms. Maltba's van holds 15 gallons of gas. She used ⅔ of a tank of gas last week. **How many gallons of gas did Ms. Maltba use last week?**

Thursday

1. Four friends are eating personal pan pizzas. Jane has 3/4 left, Jill had 3/5 left, Cindy has 2/3 left and Jeff has 2/5 left. **Who has the most amount of pizza left? How much does each person have left?**

2. Rebecca ran 3 5/7 of a mile. Alex ran 2 1/3 of a mile. How much farther did Rebecca run?

3. $^{9}/_{4} - {}^{4}/_{5} =$

Monday

1. Identify the type of heat transfer in each example:
Campfire _____
Hot air balloon _____
Light bulb _____
Rising warm air currents _____

2. Molecules moved the slowest in what state of matter?

3. Describe the difference between heat and temperature.

Tuesday

1. Which object would be the best example of an insulator?
a) metal
b) foil
c) a cotton blanket
d) plastic

2. Which has more heat, a 50 pound ice sculpture or a match? Explain.

3. A pot is heated on a stove. Which process causes the metal handle to become hot?
a) conduction
b) convection
c) radiation
d) none of the above.

Wednesday

1. Draw an example of conduction.

2. When you hold a piece of ice in your hand and it begins to melt, it is because...
   a. heat from your hand is transferred to the air by convection
   b. coldness from the ice cube is transferred to your hand by conduction
   c. heat from your hand is transferred to the ice cube by conduction
   d. heat from the ice cube is transferred to your hand by radiation

3. A child holds his hands above a candle to warm them up after coming in from the snow. This is an example of:
   a. conduction b. convection
   c. radiation d. condensation

Thursday

1. You cook a pot of noodles and notice that that noodles sink to the bottom of the pot and then rise back to the top of the pot over and over again. What are you observing?

2. Which cloud type forms the highest in the atmosphere?
   a) Cumulonimbus
   b) Cirrus
   c) Stratus
   d) Cumulus

3) Give 3 examples of a conductor and 3 examples of an insulator:

Conductors	Insulators