

Math & Science Homework Boxes

Monday

1. A rectangle has a length of $1\frac{1}{2}$ inches and a width of $2\frac{1}{4}$ inches. What is the perimeter and area of the rectangle?

2. Write the following quotients as a mixed number and an improper fraction:

$$15 \div 6 =$$

$$18 \div 4 =$$

$$26 \div 7 =$$

$$42 \div 12 =$$

3. A baker uses $2\frac{3}{4}$ sacks of flour a day in his shop. He uses $1\frac{1}{2}$ times more sugar than he does flour in a week (Monday to Friday). How much sugar does he use in a week?

Tuesday

1. The dimensions of Ms. Angelo's closet is $5\frac{1}{8}$ ft by $3\frac{3}{8}$ ft. If Ms. Angelo's dresser has an area of $15\frac{1}{2}$ ft², can she fit it in her closet?

2. How much area does Ms. Angelo have in her closet for all her clothes?

3. Convert the following improper fractions into mixed numbers:

$$\frac{35}{8}$$

$$\frac{14}{3}$$

$$\frac{46}{2}$$

$$\frac{23}{9}$$

$$\frac{59}{6}$$

4. X $10 + \frac{2}{7}$

| | | |
|---------------|--|--|
| 3 | | |
| + | | |
| $\frac{1}{4}$ | | |

Wednesday

1. Convert the following mixed numbers into improper fractions:

$$6\frac{2}{5}$$

$$2\frac{5}{6}$$

$$4\frac{3}{8}$$

$$3\frac{5}{9}$$

2. Ms. DiFruscio split a Nintendo Switch with her roommate and paid \$157 for her half. How much was the total Switch if both paid an equal amount? How much would she have paid if it was split between 4 people (including herself)?

3. Label each place value in this number:

34,679.185

Thursday

1. What digit is in the tenths place in the number **324.169** ?

2. Compare the 4s in the number **5,034.84**

The first 4 is _____ times _____ (bigger/smaller) than the second 4.

3. Now explain how the digit 3 in **324.169** and **5,034.84** are different.

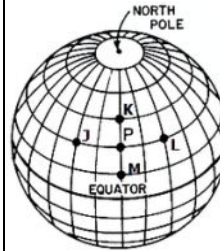
4. Add: $35.9 + 1.32 = ?$

Monday

1. What type of weather is *usually* associated with cumulonimbus clouds?
2. What is the difference between weather and climate?
3. The weatherman on the radio reported that yesterday the region had a high temperature of 70°F with 1.5 inches of rain, and the winds mainly blew from the west.
Which weather instruments were used to gather this information?

Tuesday

1. Which statement *best* explains why the United States experiences different seasons?
A) The clouds block out the Sun.
B) The distance the earth is from the Sun.
C) The Earth is tilted on an axis.
D) The moon's rotation around the earth
2. All of the locations on the global model are at sea level.



Which point is most likely to have a higher annual air temperature than point P? How do you know?

3. What are the different forms precipitation can come in?

Wednesday

1. Write a "W" if the scenario describes a location's weather, and a "C" if it describes a location's climate:
Last night had a low temperature of 23 degrees. _____
There is a severe thunderstorm watch for our area today. _____
Florida has warm to hot summers and mild winters. _____
2. What must occur before clouds can form?
A) Water vapor must get warmer
B) Water vapor must lose heat energy
C) Precipitation must begin to fall and run off.
D) Transpiration must add water vapor to the atmosphere.
3. During which stage of the water cycle does a liquid change to a gas?

Thursday

1. Which statement about white cumulus clouds is true?
A) They indicate fair weather.
B) They indicate cold weather.
C) They indicate impending rain.
D) They indicate a change in the weather.
2. Which statement best describes runoff?
A) Water vapor cools off and changes into water droplets.
B) Water in the form of rain, snow, sleet, or hail falls from clouds.
C) Precipitation that falls to Earth ultimately flows over land into lakes, streams, and rivers.
D) Water from the oceans and the surface of the earth changes into water vapor.
3. Morning dew, frost, and water forming on the outside of a glass containing ice water are all examples of what?