

Math & Science Homework Boxes

Monday

1. Diya has a new television that is 30 inches tall. If Diya's mom sets the television on a 3-foot-tall stand, **how far from the floor will the top of the television be in feet?**

2. Chinmay and Logan each ran for exactly 20 minutes on a treadmill. Chinmay's treadmill said he had run 10,000 feet. Logan's treadmill said he had run 2 miles. **Who ran farther, and how much farther?**

3. How many minutes are in 12 hours?
How many seconds are in 1 hour?
How many minutes in 2 hours?
How many hours is 320 minutes?

Tuesday

1. Joslin needs to put fence around a square vegetable garden with a side length of 8 yards. **How many feet of fence does he need?**

2. Jackson bought 6 gallons of punch for a pizza party. After the party there were still 6 quarts of punch left. **How much punch was used at the party?**

3. Michael read that he is supposed to drink 144 ounces of water a day. **How many cups of water is 144 ounces?**

Wednesday

1. In Ms. Hunter's class, $\frac{1}{4}$ of the students have a brother. Of the students who have a brother, $\frac{2}{3}$ of them also have a sister. **How many students in Diana's class have both a sister and a brother?**

2. What kind of data is collected by question #1? How do you know?

3. Write a numerical expression to match this: **double the product of 14 and 3**

4. Explain a difference between data that changes over time and numerical data. How could they be similar?

Thursday

1. A bee colony produced 8.06 pounds of honey in October, 6.124 pounds in November, and only 4.351 pounds in December due to colder temperatures and dying flora. How much honey was produced in those 3 months?

2. What kind of data is collected in question #1? How would a graph be labeled to reflect that data?

3. Divide 3,915 by 27.

Monday	Tuesday
<p>1. Which biome has all four seasons?</p> <ol style="list-style-type: none"> Taiga Tundra Deciduous Forest Rainforest <p>2. An ecologist is comparing two different ecosystems and creates the following list of similarities:</p> <ul style="list-style-type: none"> -aquatic -diverse fish life -high salt concentration -plentiful light at the water's surface <p>Which two ecosystems was the ecologist most likely comparing?</p> <ol style="list-style-type: none"> ocean and lake estuary and ocean grassland and pond saltmarsh and lake <p>3. What are 3 abiotic factors in a tropical rainforest?</p>	<p>1. What is a(n)..</p> <ul style="list-style-type: none"> - Environment? - Ecosystem? - Biome? <p>2. Hawks, grasses, songbirds, and caterpillars are some organisms found in an ecosystem. Which is the correct order for energy transfer in this ecosystem?</p> <ol style="list-style-type: none"> caterpillars → hawks → grasses → songbirds grasses → caterpillars → songbirds → hawks hawks → caterpillars → grasses → songbirds songbirds → grasses → hawks → caterpillars <p>3. Identify three consumers found in a deciduous forest.</p> <p>4. Identify the level consumer each of your examples is.</p>
Wednesday	Thursday
<p>1. Draw an example of a food chain that could be found in the tropical rainforest. Include one producer and at least two consumers.</p> <p>2. What is the main difference between marine and freshwater ecosystems?</p> <ol style="list-style-type: none"> the amount of animals the amount of plants the amount of rocks the amount of salt <p>3. How is the climate of a desert different than of a rainforest?</p>	<p>1. Which best explains the adaptations needed for organisms living in an estuary ecosystem?</p> <ol style="list-style-type: none"> Organisms must be adapted to live in saltwater. Organisms must be adapted to live in freshwater. Organisms must be adapted to live in both freshwater and saltwater. <p>2. Biotic factors of an ecosystem include non-living parts such as soil, water, and air.</p> <ol style="list-style-type: none"> True False <p>3. An energy pyramid shows the flow of energy through an ecosystem. The top is always the largest.</p> <ol style="list-style-type: none"> True False <p>4. Explain your reasoning for true/false for # 2 and #3.</p>