

Homework 3/17/22

Reading Homework:

Soaring into Space

Space shuttles go back and forth between Earth and space. The first one flew on April 12, 1981. A space shuttle has four main parts. They are the orbiter, the fuel tank, and two rocket boosters.

The orbiter looks like an airplane. It carries the crew. A huge tank is attached to the orbiter. It holds the fuel for the orbiter's engines. A rocket booster is on each side of the tank. These fire on liftoff. In two minutes, the rockets run out of fuel and fall off. Parachutes slow their drop to the sea. Then boats tow them to shore. Rockets can be used as many as 20 times. The big tank runs out of fuel in eight minutes. It falls and breaks apart over the sea. Now the orbiter enters its orbit.

There may be up to seven crew members on board the orbiter. They do tests. They might launch satellites. In 1999, a shuttle went up to fix the Hubble telescope. The Hubble is as big as a bus. The shuttle caught it. The telescope was held in the cargo bay. That's an open space like the back of a pickup truck. The crew worked out in space to make repairs. They wore space suits. They were attached to the shuttle by a long line. A robot arm put the Hubble back in orbit.

When it's time to come home, the orbiter's engines fire. This slows the shuttle and it drops from orbit. Tiles protect the shuttle from heat caused by entering Earth's atmosphere. The shuttle then acts like an airplane. It glides to a landing on a runway.



1.) Select the correct answer to complete this cause and effect chart.

Cause

--

Effect

They run out of fuel in two minutes and fall off.

The big tank runs out of fuel then breaks apart and falls into the sea.	The orbiter acts like an airplane and lands on a runway.
The rocket boosters on each side of the tank fire upon lift off.	The Hubble telescope is put into the cargo bay.

Writing Homework:

Directions: Pretend you are a leprechaun who is unhappy with your wardrobe. You are tired of the old-fashioned hat, suit, and shoes. You want a new, updated look for today's modern leprechaun. Write a letter to the leprechaun fashion designer explaining why you think an update is a good idea and what the new leprechaun outfit should look like.

Math Homework:

1. Which shows these fractions ordered from greatest to least.

$$\frac{9}{12}, \frac{3}{3}, \frac{6}{9}$$

a. $\frac{9}{12}, \frac{6}{9}, \frac{3}{3}$	b. $\frac{3}{3}, \frac{9}{12}, \frac{6}{9}$
c. $\frac{6}{9}, \frac{9}{12}, \frac{3}{3}$	d. $\frac{6}{9}, \frac{3}{3}, \frac{9}{12}$

2. Solve for the difference of $5\frac{3}{4}$ and $3\frac{1}{3}$. *Remember all answers must be in simplest form - look at your notes*

a. $2\frac{5}{12}$	b. $2\frac{1}{6}$
c. $2\frac{1}{2}$	d. $2\frac{2}{3}$

3. Look at this number pattern. If the pattern continues in the same way, what will be the 6th number?

196, 181, 166, 151, __, __

a. 136	b. 126
c. 121	d. 106

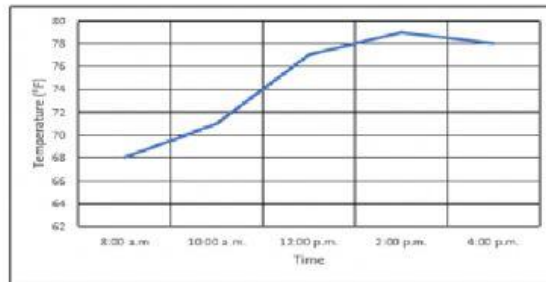
4. Mrs. Jones is making different spinners for math class. She needs to make a spinner with -

- six equally likely chances of landing on a space
- each space has a different figure

Which two spinners should Mrs. Jones use for her math lesson?



Time	Temperature (°F)
8:00 a.m.	68
10:00 a.m.	71
12:00 p.m.	77
2:00 p.m.	79
4:00 p.m.	78



5. What can you infer the temperature would be at 6:00 p.m.?

- The temperature will go up.
- The temperature will go down.
- The temperature will stay the same.
- The temperature cannot be determined based on the graph.

Virginia Studies Homework:

[illegible]

The Marquis de Lafayette was a French nobleman who volunteered his service to the _____ Army.

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the American Revolution

Patrick Henry is known for saying "give me liberty or give me death." He was against:

declaring independence

taxation without representation

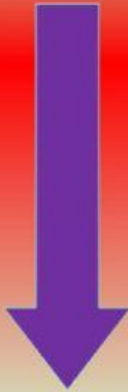
moving Virginia's capital

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Science Homework:

#27 ORDER THE FEATURES OF THE OCEAN FLOOR BY THEIR DEPTH. BEGINNING WITH THE FEATURE WITH THE LEAST DEPTH:

Least



Continental Shelf
Abyssal Plain
Continental Rise
Ocean Trench
Continental Slope

Greatest

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#30 COMPLETE THE CAUSE AND EFFECT GRAPHIC ORGANIZER:

Cause

Effect



Warm, surface water moves as a current

Warm water is spread across the planet

The moon's gravity pushes the tides.

Currents are all over the world.

Strong winds move east to west.

There are high tides and low tides.

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