

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.

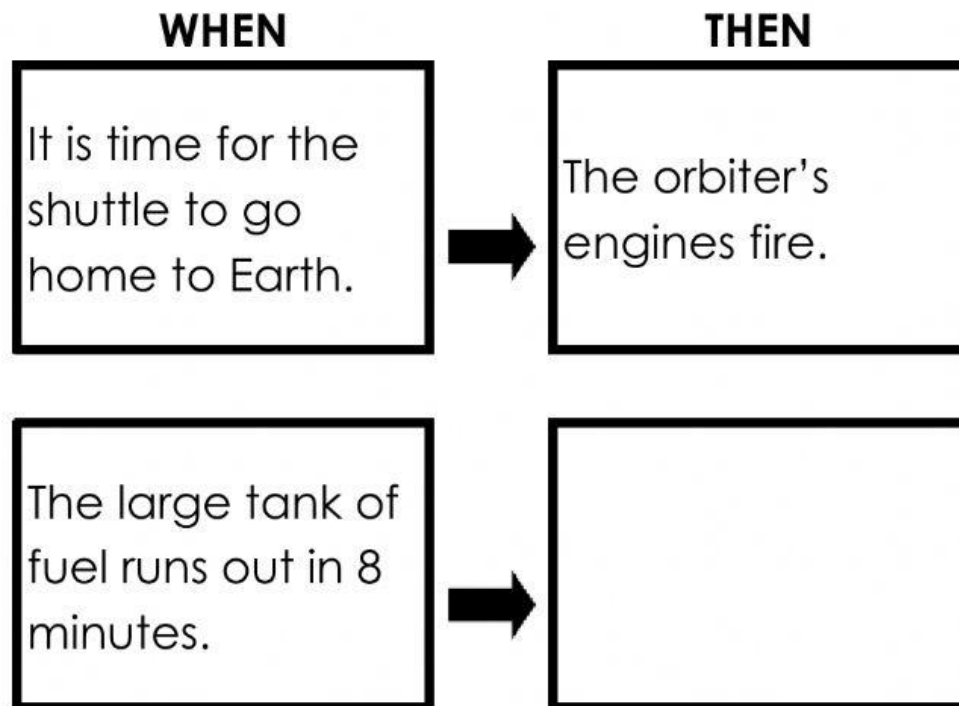
The orbiter looks like an airplane. It carries the crew. A huge tank is attached to the orbiter. It holds the fuel for the orbiter's engines. A rocket booster is on each side of the tank. These fire on liftoff. In two minutes, the rockets run out of fuel and fall off. Parachutes slow their drop to the 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.) Which sentence belongs in the empty box?



- a.) Parachutes slow their drop into the sea.
- b.) Tiles protect the shuttle from heat in the Earth's atmosphere.
- c.) It falls and breaks apart over the sea.
- d.) The shuttle acts like an airplane and lands on a runway.

Writing Homework:

Directions: Pretend that you can only eat green food on St. Patrick's Day. Describe the foods you would eat for breakfast, lunch, and dinner.

Math Homework:

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

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

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 $\frac{7}{12}$ and $\frac{1}{4}$. *Remember all answers must be in simplest form - look at your notes*

a. $\frac{3}{4}$

b. $\frac{4}{0}$

c. $\frac{1}{3}$

d. $\frac{5}{6}$

3. What is the missing rule for this table?

Rule: ?	
Input	Output
15	30
17	32
24	39

a. multiply by 15	b. add 2
c. multiply by 2	d. add 15

4. A jar contains these marbles –

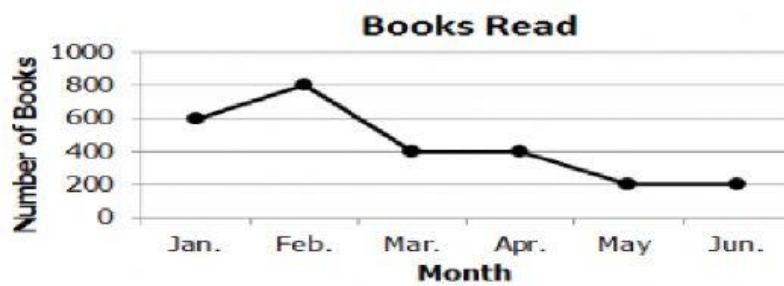
- 5 blue marbles
- 4 red marbles
- 2 orange marbles
- 4 yellow marbles

All the marbles a will choose a

Choose... 

☐ Blue or Yellow
 ☐ Red or Orange
 ☐ Orange or Yellow
 ☐ Yellow or Red

Justin will choose 1 marble from this jar without looking. It is equally likely that Justin marble from this jar.



5. The graph above shows the number of books read by the 6th grade class for a six-month period. Which statement is NOT true about the books read?

- | |
|--|
| a. May and June combined were not as many as February. |
| b. More books were read in March than June. |
| c. Students read more books in January than February. |
| d. The books read in February were double those read in April. |

Virginia Studies Homework:

>>>>>>>>>>>>> the American Revolution

The Declaration of Independence states that all people have the rights to:

hobbies	life	money
the pursuit of happiness	friendship	liberty



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>>>>>>>>>>>>> the American Revolution

What document says the authority to govern belongs to the people (instead of to kings)?



the Bill of Rights



the Constitution



the Declaration
of Independence



D. Algebraic Topology

Science Homework:

#9 BASED ON THE TIDE TABLE, ABOUT HOW MUCH TIME PASSES FROM ONE HIGH TIDE TO THE NEXT HIGH TIDE?

Tide Type	Time
HIGH	4:03 AM
LOW	10:04 AM
HIGH	4:01 PM
LOW	10:02 PM

10 Hours

4 Hours

12 Hours

6 Hours

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#7 DRAG THE TERMS ON THE LEFT TO THEIR CHARACTERISTICS.

Earth

Moon

Sun

- 4.6 billion years old
- Average Sized Star
- 110 times Earth's diameter

- Rocky Satellite
- $\frac{1}{4}$ Earth's diameter
- $\frac{1}{80}$ Earth's mass
- No atmosphere or water

- *Surface is changing
- *atmosphere blocks sun's rays
- *Haven for Life

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