

Homework Menu Week of 3/25-3/28

**Homework is assigned Monday and due Thursday*

Name: _____

Date: _____

***Pick one assignment from each subject to complete throughout the week. Have a parent initial the box for the assignment that you have completed. To show what you have completed, please send a picture, a sample of your work or another type of evidence.

<u>MATH</u>	Math project-Centimeter Hunt	Math Game-Roll 3 Digits	Worksheet-Pg. 19 Pg. 20 is an optional challenge
<u>LANGUAGE ARTS</u>	Reading Comprehension- Read the <i>Food for the Future</i> article and answer the questions	Writing Options- #1 Think of your favorite fairy tale from when you were in preschool and retell it with a different ending. #2 What is your favorite thing about yourself? Write about why this quality makes you special and unique. #3 Write about your most recent good dream that you can remember. What happened in it? Was it realistic? Would you ever want it to happen in real life?	Stamina Challenge- Write down how much you are reading each night.
<u>SPELLING</u>	Write your spelling words three times each	Write your spelling words backwards and forwards using rainbow colors	Type your spelling words making each a different font and color

Name: _____ Date: _____

Centimeter Hunt

Can you find items in the room that are about 1 centimeter long?

Roll 3 Digits

Materials: three dice, two dry erase markers in different colors

1. Work with a partner. Take turns to roll three dice and arrange them to make a 3-digit number. Say the number aloud.
2. Write the number in the rectangle below that describes it.
3. Keep playing until one player has written three numbers in each of three different rectangles.

Between 100 and 200

Between 200 and 300

Between 300 and 400

Between 400 and 500

Between 500 and 600

Greater than 600

Name: _____

Date: _____

Fill in the missing numbers or words.

- 25.** Daniel has \$100 to buy these items.
Round the cost of each item to the nearest ten.
Then estimate the total cost.

A school bag costs \$38.

- a.** \$38 is _____ when rounded to the nearest ten.

A box of crayons costs \$11.

- b.** \$11 is _____ when rounded to the nearest ten.

A pair of shoes costs \$27.

- c.** \$27 is _____ when rounded to the nearest ten.

A textbook costs \$18.

- d.** \$18 is _____ when rounded to the nearest ten.

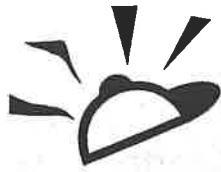
The estimated total cost is \$_____.

Does Daniel have enough money to pay for all the items?

_____.

Name: _____

Date: _____

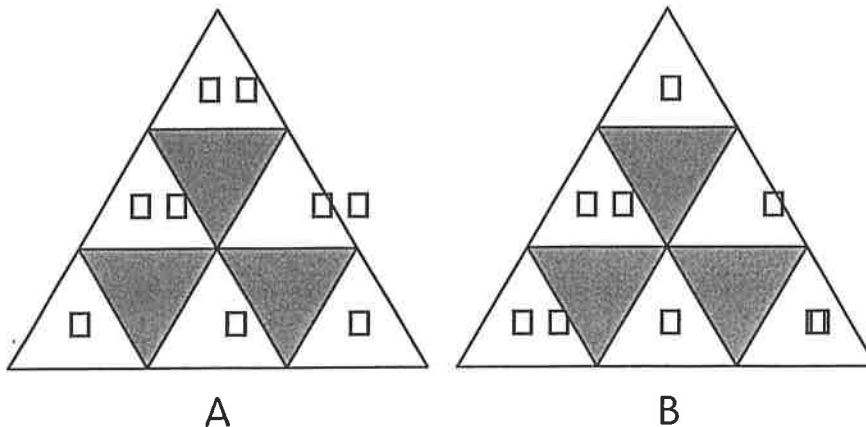


Put on Your Thinking Cap!

1. Juliana thinks of two numbers.
The sum of the two numbers is 20.
The difference between the two numbers is 6.
What are the numbers?

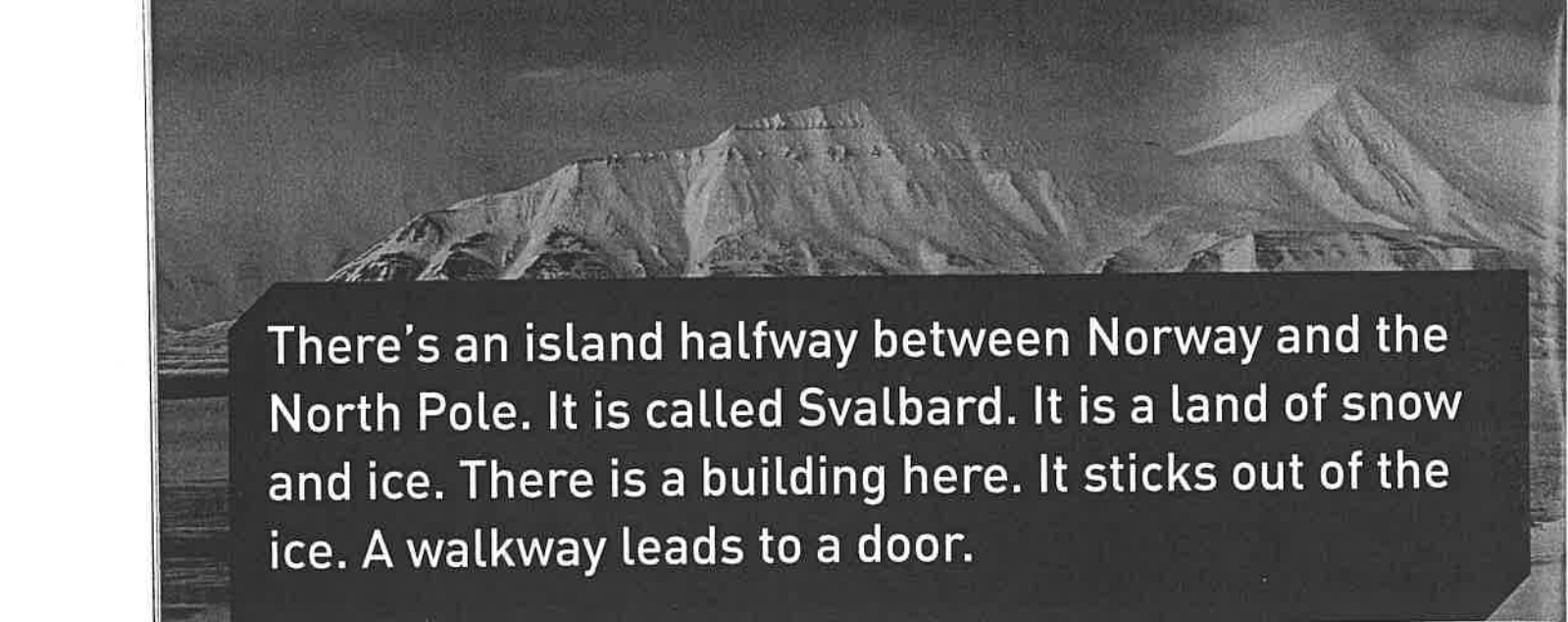
The numbers are _____ and _____.

2. Study the numbers in A.
Use the pattern in A to find the missing numbers in B.



The missing numbers are _____ and _____.





There's an island halfway between Norway and the North Pole. It is called Svalbard. It is a land of snow and ice. There is a building here. It sticks out of the ice. A walkway leads to a door.

Just past the door is a hallway. Pipes push cold air toward three locked doors. The middle door is covered in ice. What is this place?

Through the icy door, there are rows of shelves. Each shelf holds boxes of **seeds**. Welcome to the Svalbard Global Seed Vault!


Protecting Seeds

The seed vault was built to store many kinds of seeds. These seeds can grow crops. Why are they here? To protect future **agriculture**.


As our world changes, we need to be prepared. Our climate is changing. Crops can fail. Pests can damage them. We store seeds in case we need them.




Ice covers the vault door.



These seeds are stored in glass tubes.



The number of different plants we grow for food is shrinking. Here's an example. The United States used to have 500 kinds of cabbage. Now, it plants only 28 kinds. It used to have 285 kinds of cucumbers. Now, it plants only 16 kinds. Other countries have this problem, too.



Today, only 30 crops meet 95 percent of our food energy needs. So, storing seeds for the future is a good idea.

Long Life

Some seeds can stay in the vault for 50 years. Others, like the grain sorghum, could still grow 20,000 years from now!

Crop							
Barley	Chickpea	Lettuce	Maize (corn)	Onion	Pea	Rice	Wheat
2,061	2,613	73	1,125	413	9,876	1,138	1,693
Expected life (in years)							

Banking on Seeds

It's like putting treasures in a safe. The safe is the vault. The treasures are seeds.

There are many seed banks around the world. Not all these banks are like this one, though.

This one is inside of a mountain. It is underground. It is cold here. The seeds can stay safe for a long time.

How it works:

1. Seeds are stored in glass tubes or foil packages. Each sample has about 500 seeds.
2. Packets are put in crates. They are labeled by country.



Shelves hold hundreds of boxes of seed packets.

vault entrance

control room

refrigerators

security doors

vaults



The seed vault is inside the Arctic Circle.

3. Crates are shipped to the vault. They are put on shelves. The vault is opened to add more seeds.



4. The vault can hold millions of seeds.



Taking Seeds Out

Only those who put seeds in are able to take seeds out. A country can take seeds back to grow them. They can send new seeds to store.

Has anyone needed their seeds? Yes. Just ask the country of Syria.

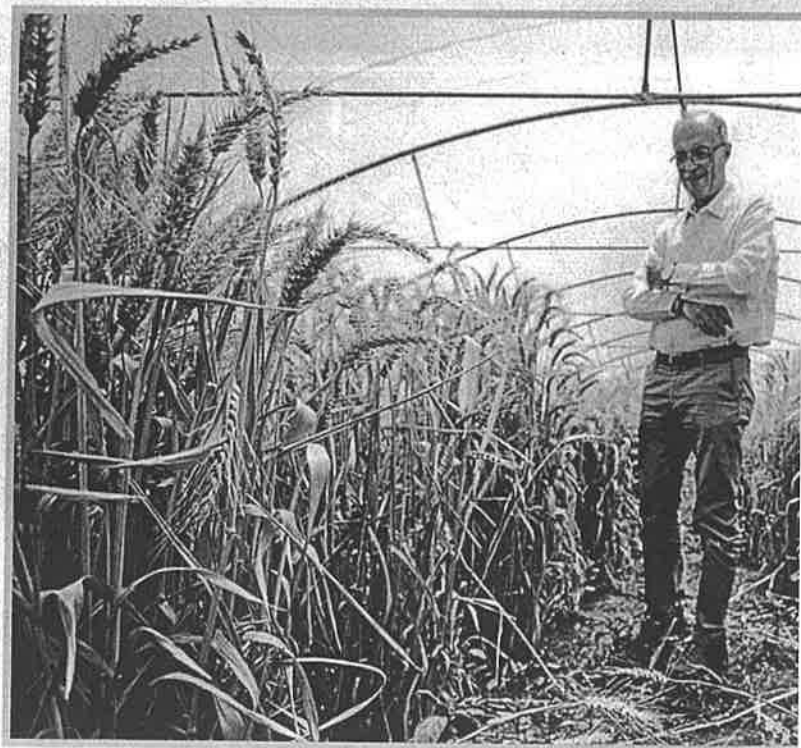
In 2011, they had a war. First, they stored many seeds. After the war, they planted the seeds. Then they had food.

The vault saved many lives. They put new seeds in the vault. They know it works! Now, other places know it works, too.

For the Future

The seed bank helps us get ready for the future. Saving seeds is smart! Until we need them, they are safe.

A scientist looks at crops grown from seed bank seeds.



From the Svalbard Vault



Bambara groundnuts

These nuts are dried. They are made into flour. The flour is used for baking.

Pigeon peas

This plant has deep roots. It grows in hard soil. The peas are used to make meals.



Black-eyed peas

This plant grows in hot places. The peas are also used to make meals.



WORDWISE

agriculture: the raising of crops; farming

seed: the part of a flowering plant from which a new plant can grow

Food for the Future Questions

Please write down your responses to these questions below or on a separate piece of paper

1. Where is the seed vault located?
2. What crop has the longest expected life span? What crop has the shortest expected life span?
3. Why are seeds being stored in the vault in the first place?
4. What country did the seeds already help? How did they help the people?
5. What is one question or wonder you have about this article?

<p><u>Spelling Words:</u> Skill: <u>Long o</u> Can be spelled <u>oa</u> or <u>ow</u></p> <p>throw throat coast yellow toasted soap soaked toad snowed window shadow growth floating coach croak</p> <p>Challenge words: Cairo pharaoh tropical</p> <p>Trick words: would could should</p>	<p><u>Spelling Words:</u> Skill: <u>Long o</u> Can be spelled <u>oa</u> or <u>ow</u></p> <p>throw throat coast yellow toasted soap soaked toad snowed window shadow growth floating coach croak</p> <p>Challenge words: Cairo pharaoh tropical</p> <p>Trick words: would could should</p>	<p><u>Spelling Words:</u> Skill: <u>Long o</u> Can be spelled <u>oa</u> or <u>ow</u></p> <p>throw throat coast yellow toasted soap soaked toad snowed window shadow growth floating coach croak</p> <p>Challenge words: Cairo pharaoh tropical</p> <p>Trick words: would could should</p>	<p><u>Spelling Words:</u> Skill: <u>Long o</u> Can be spelled <u>oa</u> or <u>ow</u></p> <p>throw throat coast yellow toasted soap soaked toad snowed window shadow growth floating coach croak</p> <p>Challenge words: Cairo pharaoh tropical</p> <p>Trick words: would could should</p>
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