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Name: _____ **Date: September 18th 2019**

Math:	Introduce Integers on a Numberline Songs, flipchart, # lines, notes hmwk Wksht 2 sided
Social Studies:	- **Map Scale** **HW: Hamburg Heaven**
ELA:	Wednesday's Warm Up Finish Summary Unit Introduction Vocabulary
Science	Set up + complete SNB pages (7-10) Controlled experiment #2 Changing The Mass HW - Study for Pendulum Quiz Friday
Computer Apps/ Technology	

Scale and Distance

AFRICA

⊛ National capital

● City

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0   300   600   900  1200  MI
├────┼─────┼─────┼─────┤
0   480   960  1440  1920  KM
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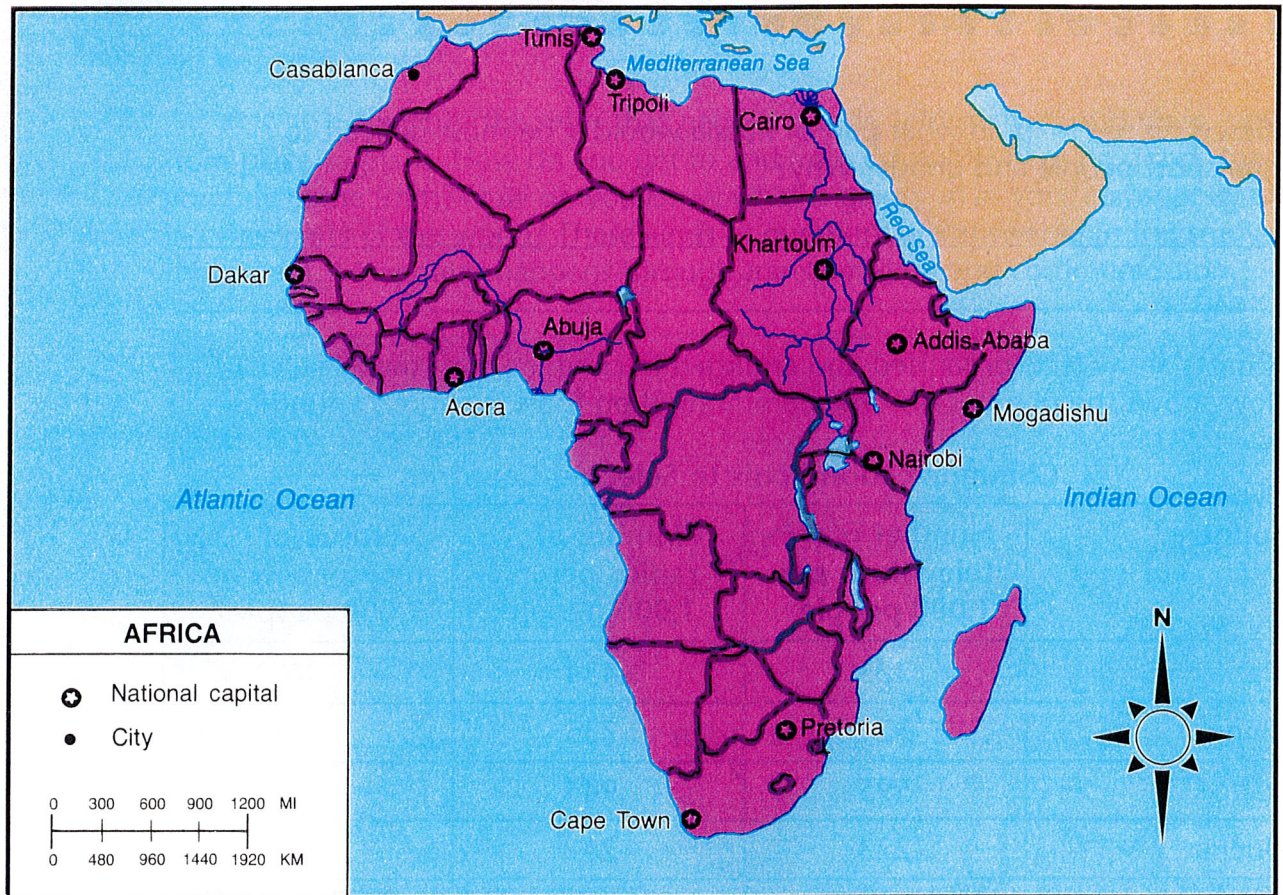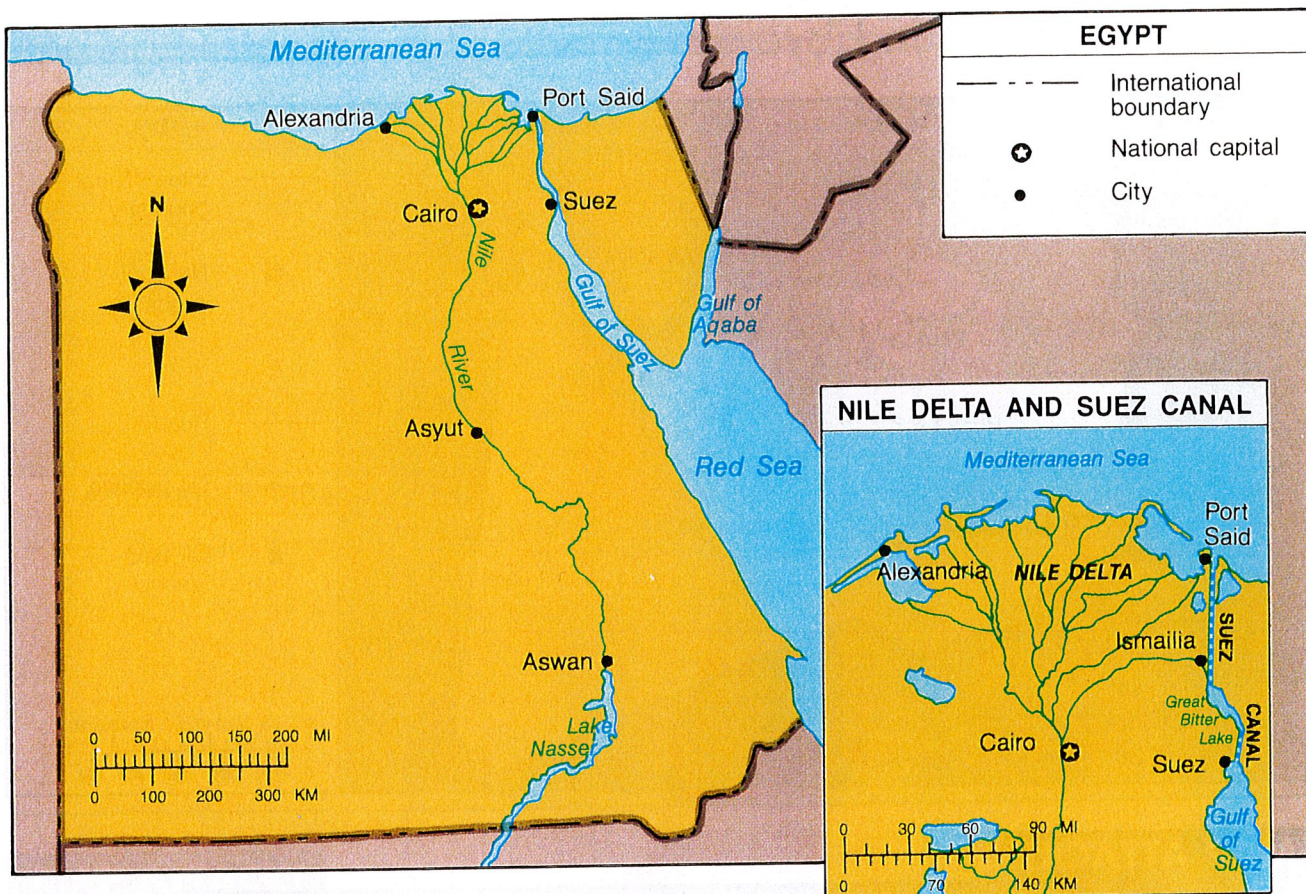
Maps can show the actual shape of a place. They cannot show the actual size of a place. The size of the place must be reduced to fit on a piece of paper. To help us figure distances, maps are drawn to scale. Scale is used to keep the shape of a place <u>and</u> show the distances. On the map of Africa above, the scale is "1 inch = 1,200 miles or 1,920 kilometers." A **map scale** shows the relationship of the actual distance on Earth to the distance on a map.

Map scales often show distance in miles (MI) and kilometers (KM). Find the map scale on the map above.

Miles and **kilometers** are two units of length used to measure distance. In the United States, distances are usually measured in miles. In many other countries the usual measurement is kilometers.

Find Dakar and Accra on the map of Africa above. They are only one inch apart. But how far apart are they on Earth? To find out, use the map scale and a ruler, a string, or the edge of a paper to figure the number of miles or kilometers between Dakar and Accra. The distance is about 1,200 miles or 1,920 kilometers.

► What is the distance between Khartoum and Addis Ababa?
  Find the distance in miles and kilometers.

► What is the distance between Tripoli and Cape Town?
  Find the distance in miles and in kilometers.

Map legend — EGYPT
- — - — International boundary
- ⊛ National capital
- • City

Larger map labels: Mediterranean Sea, Alexandria, Port Said, Cairo, Suez, Asyut, Aswan, Lake Nasser, Nile River, Gulf of Suez, Gulf of Aqaba, Red Sea, N

Scale (larger map): 0 50 100 150 200 MI · 0 100 200 300 KM

Inset map: **NILE DELTA AND SUEZ CANAL** — Mediterranean Sea, Alexandria, NILE DELTA, Port Said, Ismailia, Cairo, Great Bitter Lake, Suez, SUEZ CANAL, Gulf of Suez

Scale (inset map): 0 30 60 90 MI · 0 70 140 KM

MAP ATTACK! Add a step to read the maps.

- **Read the title.** What can you learn from these maps?
- **Read the legend.** Find each symbol on the maps.
- **Read the compass rose.** Find north on each map.
- **Read the map scales.** How does the scale differ on each map?

The scale is not the same on all maps. Look at the two maps above. The larger map shows all of Egypt. The smaller map is an inset map that shows only part of Egypt: the Nile Delta and the Suez Canal. An **inset map** is a small map within a larger map. An inset map may have its own scale.

▶ Compare the scales on the two maps.

▶ Measure the distance between Suez and Port Said on the map of Egypt. What is the distance?

▶ Measure the distance between Suez and Port Said on the inset map. What is the distance?

▶ On which map is it easier to measure distances?

▶ Can you measure the distance between Ismailia and Asyut? Why or why not?

▶ How could you figure the distance between Ismailia and Asyut using both of the maps?

Finding Distances in Libya
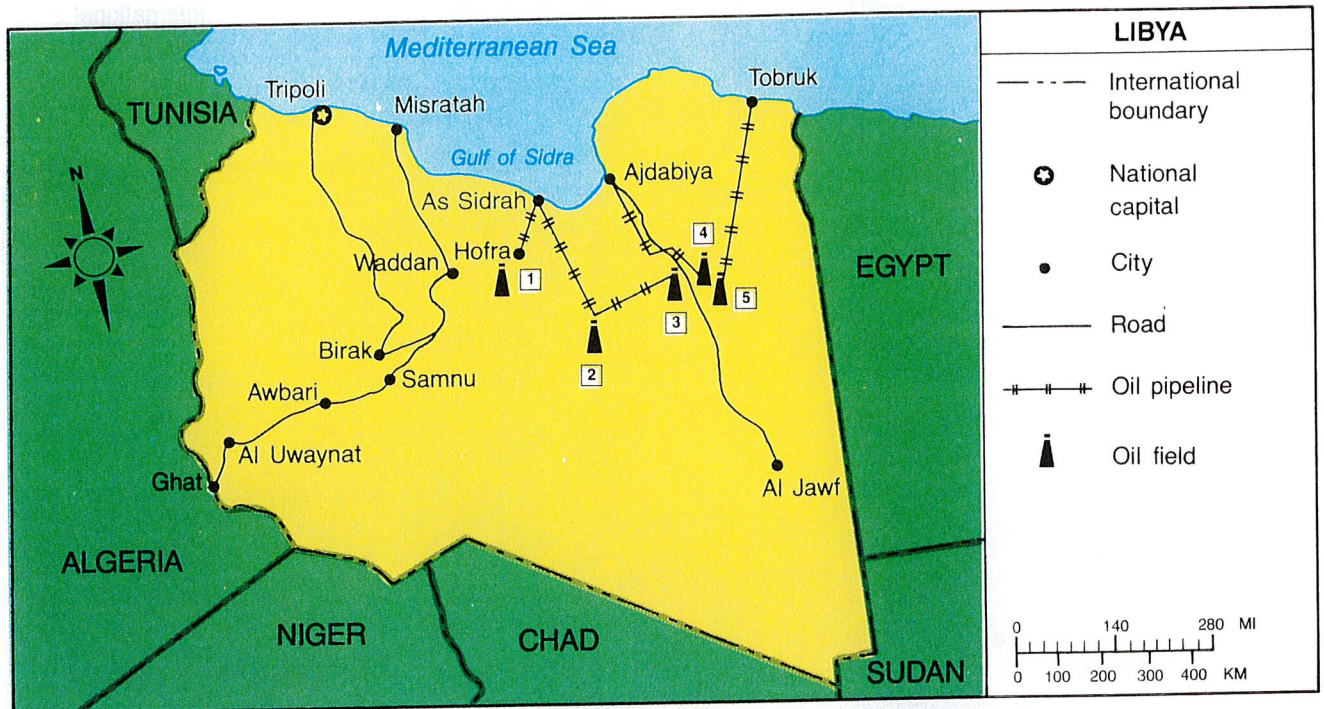
MAP ATTACK!

- **Read the title.** This map shows _____.
- **Read the legend.** Check (✔) each symbol in the legend and a matching symbol on the map.
- **Read the compass rose.** Complete the compass rose.
- **Read the map scale.** The length of the scale stands for how many miles _____? how many kilometers? _____

1. Trace each oil pipeline. Then find its length.

   a. Hofra to As Sidrah _____ KM _____ MI

   b. Oil field #2 to As Sidrah _____ KM _____ MI

   c. Oil field #4 to Ajdabiya _____ KM _____ MI

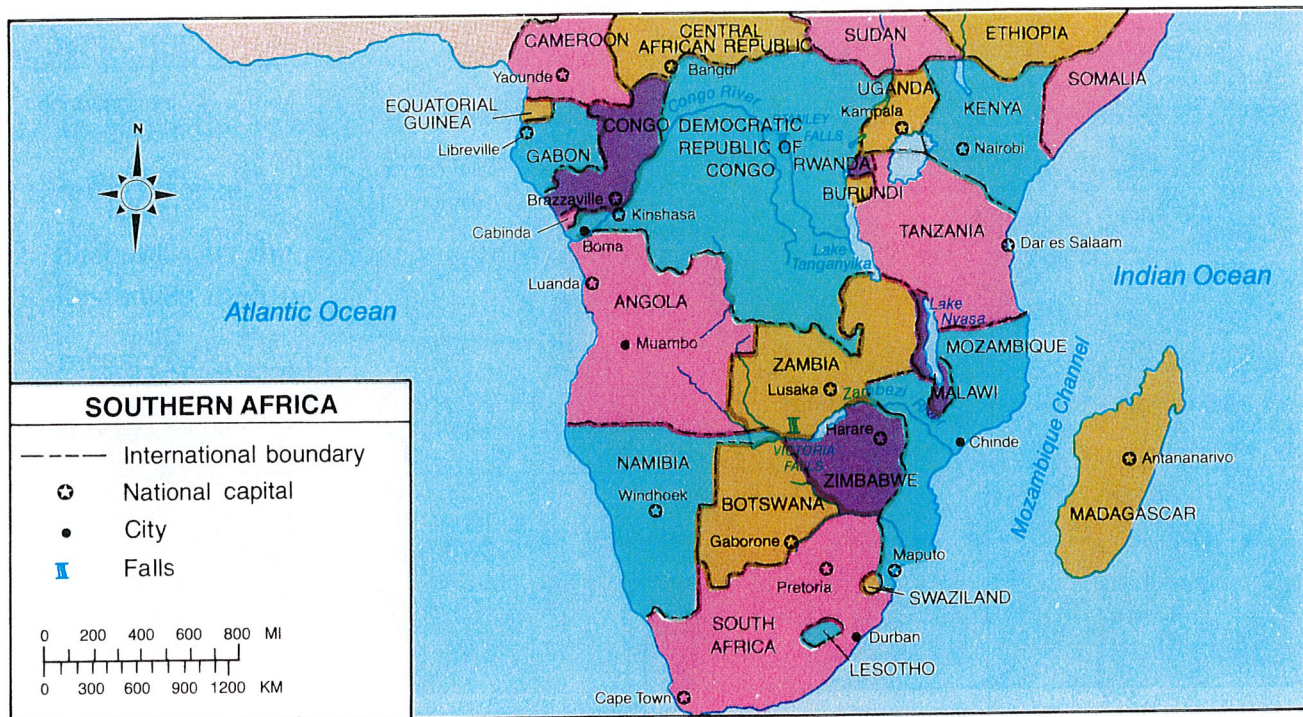   d. Oil field #5 to Tobruk _____ KM _____ MI

2. a. Which oil pipeline covers the longest distance?

   _____

   b. Which oil pipeline covers the shortest distance?

   _____

3. Draw a conclusion. Where do all the oil pipelines in Libya go?

   _____ Why? _____

Finding Distances in Southern Africa

SOUTHERN AFRICA

----- International boundary
✪ National capital
• City
Ⅱ Falls

0 200 400 600 800 MI
0 300 600 900 1200 KM

MAP ATTACK!

Follow the steps on page 24 to begin reading this map.

1. Draw a line from the first place to the second. Then find the distance.

   a. Cape Town to Windhoek _____ KM _____ MI

   b. Windhoek to Kinshasa _____ KM _____ MI

   c. Kinshasa to Bangui _____ KM _____ MI

   d. Bangui to Kampala _____ KM _____ MI

   e. Kampala to Nairobi _____ KM _____ MI

   f. Nairobi to Maputo _____ KM _____ MI

   g. Maputo to Cape Town _____ KM _____ MI

2. What is the total distance of this trip? _____ KM _____ MI

3. Trace the Congo River from Stanley Falls to Boma.

   Use the map scale to estimate this distance. _____ KM _____ MI

4. Trace the Zambezi River from Victoria Falls to Chinde.

   Use the map scale to estimate this distance. _____ KM _____ MI

5. Which river trip is longer? _____

- I can position integers on a vertical or horizontal number line.
- I can read integers plotted on a number line.
- I can interpret statements of inequality as statements based on the position of the integer on a number line.
- I can write an inequality statement based on the position of two integers on a number line
- I can write, interpret, and explain statements of order for rational numbers in real-world contexts.

6.NS.C.6b & *6.NS.C.7a* & *6.NS.C.7b*

When reading points on a number line, first decide if a number is **POSITIVE** or **NEGATIVE**. Numbers on the **LEFT** -or- **BELOW** zero are ___Negative___ and numbers on the **RIGHT** -or- **ABOVE** zero are ___Positive___. The further the number is from zero on a number line, the ___greater___ the ABSOLUTE VALUE of the number will be. *distance from 0*

IDENTIFY EACH POINT ON THE NUMBER LINES BELOW.
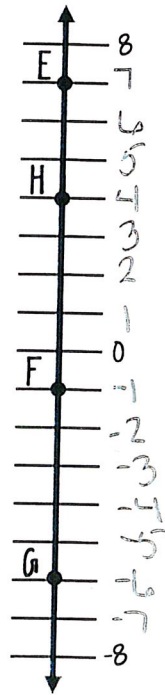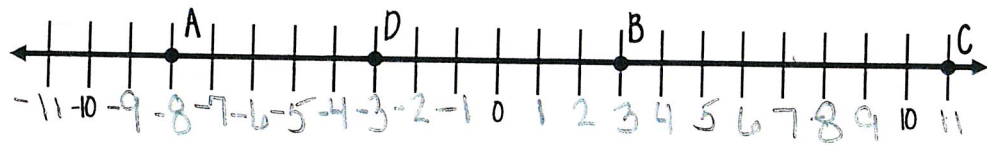
I D -3

w E 7

y G -6   A   F

C   B   H
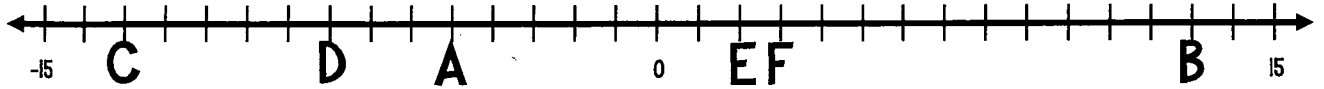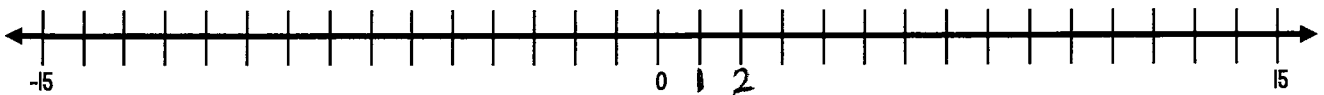
Name: _____   Date: _____

READING & PLOTTING INTEGERS ON A NUMBER LINE: HOMEWORK A

Identify the integer for each letter on the number line.

C .... D ...... A .... 0 ... E F .... B

-15   15

1. A −5	**4.** D
2. B	**5.** E
3. C	**6.** F

Plot and label each integer on the number line provided. *Number the number line!*

-15   0 1 2   15

A	−5	**D**	−8
B	12	**E**	−11
C	9	**F**	7

REVIEW: Use LCM or GCF to solve. Use your notes to help.

1. Mr. Cornell direct 2 choirs. One has 28 students and the other has 36 students. For rehearsals, he wants to divide each choir into the largest possible equal groups with no students left over. How many students will be in each group?

◎ _____

Work: