



Name _____

Date: _____

Course: US History/Ms. Brown**Homeroom:**

7th Grade US History
Standard #7H104 – Do Now – Day #10

Aims: SWBAT use (read) and/or create a map scale to measure distances on a map

DO NOW

Directions: Answer the following questions in complete and historically accurate sentences. You must attempt each question, there should be absolutely no blank spaces. Be sure to provide examples and evidence to support your answers.

- Which of the following would **most likely** be shown on a political map?
 - Mountain ranges
 - Migration trends
 - National capitals
 - Lakes
- You are taking a road trip across the United States. You want to figure out how many states you will pass through on your way to California, which type of map would you use?

-
- One would look at map A in order to
 - How many people live in the different parts of Louisiana
 - Learn where resources come from in Louisiana
 - Learn the elevation of different cities in Louisiana
 - Learn how people voted during the 2008 Presidential election
 - 0 degrees latitude marks which of the following?
 - Equator
 - Prime Meridian
 - North Pole
 - South Pole



- The line of longitude which divides the earth into the eastern and western hemispheres is
 - North Pole
 - Equator
 - Greenwich, England
 - Prime Meridian



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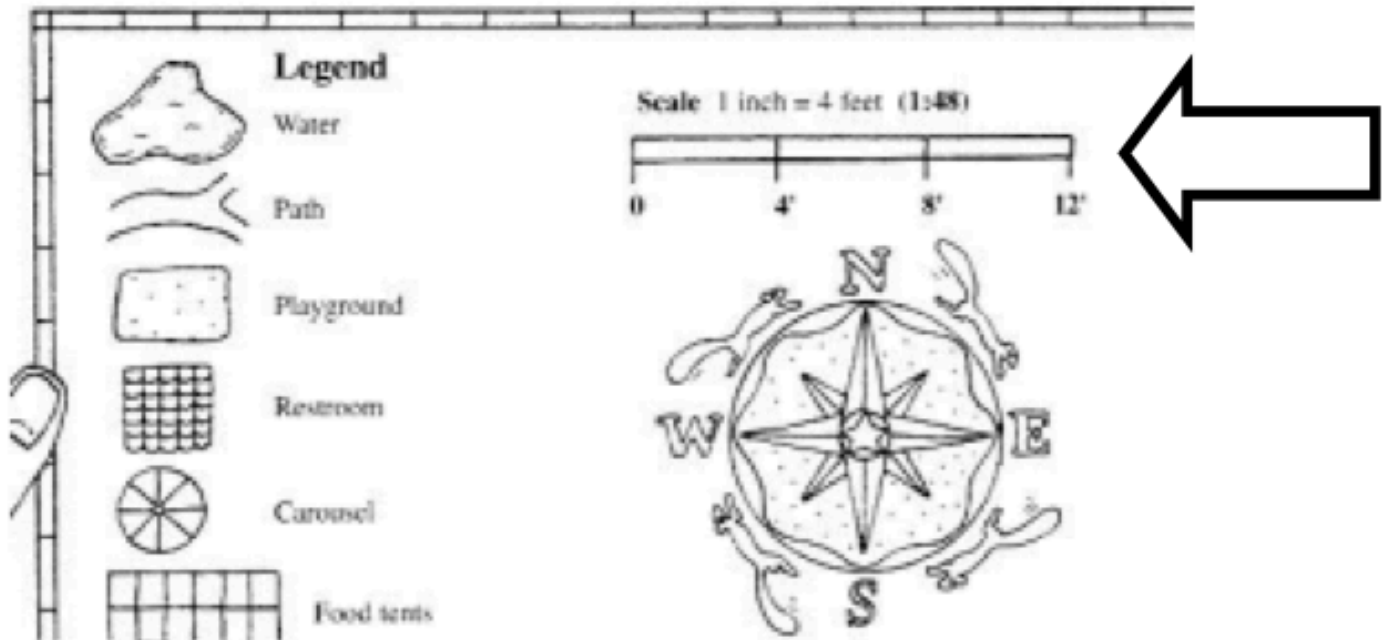
Daily Debrief

Dear Brainiacs,

Maps almost always have to be drawn smaller than the actual area of land. All the things on the map are shrunk by the same amount when the map is drawn. To find out how much smaller the map is than the actual thing we have to look at the **scale** of the map.

The **map scale** tells us how much larger the actual thing is than the map. The **scale** on the map of the park is listed in the legend.

Map Adventures



Map scale is used to measure _____ on a map to distance in the _____

There are two ways to measure map scale. The most precise way is with a ruler or piece of paper. You mark off the lines and then make your measurement. But what if you don't have a ruler or extra paper? You can use the knuckle trick to make an _____ measurement, which means close but not perfect.



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Here is an example of a map scale



1. How many inches long is this map scale? _____
2. Distances in inches will the be the distances you find on the map or real world? (circle one)
3. How many miles are represented by this map scale? _____
4. Distances in miles will be the distances you will find on the map or real world (circle one)
5. On this map 1 inch = _____ mile(s) in the real world
6. If you measure the distance between two cities on the map and the distance was 27 inches on the map, the distance in the real world would be _____ miles
7. If you know that the distance between two cities on the map is 300 miles, these two cities would be _____ inches apart on the map.



Step 1

Draw a line between the two points (point to point). Mark the distance of the scale bar on your index card.





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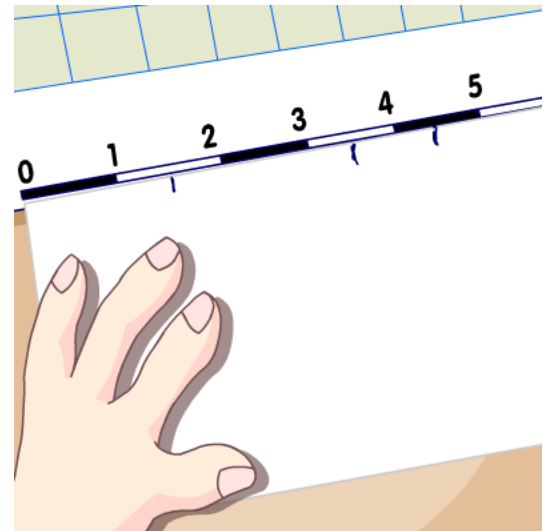
Step 2

Place the card on the map and make a mark every time you go the distance. Repeat this process until you reach your destination.

Step 3

You should be left with a series of marks along your map. You can now multiply the number of marks with the distance of your scale.

The last mark you made will tell you the real distance you need to travel.



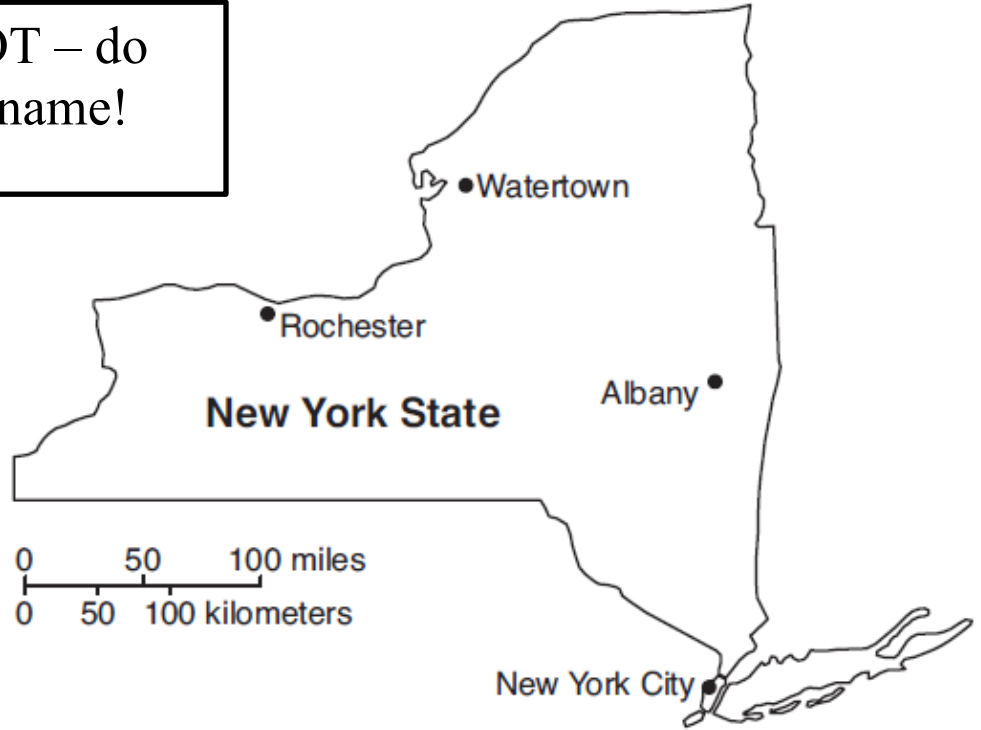


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Measure DOT TO DOT – do not measure from the name!



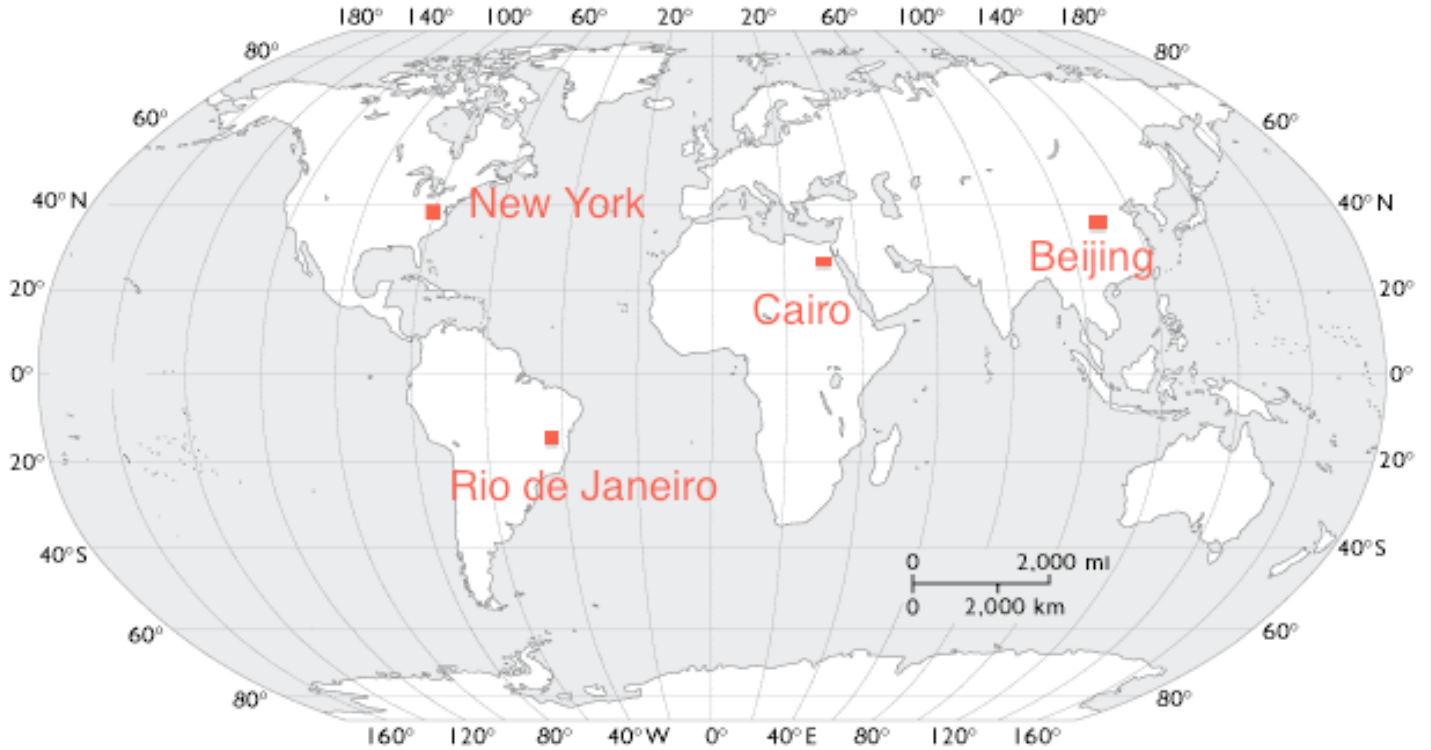
Source: F. Daniel Larkin et al., *New York: Yesterday and Today*, Silver Burdett & Ginn (adapted)

1. How many miles it is from New York City to Watertown? _____

2. How many miles it is from Rochester to Albany?



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Task 1: Identify each of the seven continents

Task 2: Identify each of the five oceans

Task 3: Label the Equator and the prime meridian

Task 4: Report the approximate distance (in miles) between:

1. Distance from New York City to Cairo, Egypt _____

SHOW YOUR WORK!

2. Distance from New York City to Beijing, China _____

SHOW YOUR WORK!



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BRAINIAC BONUS!!

Complete the brainiac challenge and earn BONUS CREDIT in Ms. Brown's class!

Scale, Directions

Uncovering the UNDISCOVERED RUINS OF IXIPIXI

The jungles of Mexico and other countries on the Yucatan Peninsula are filled with ruins left by the ancient Mayans. Most are famous landmarks, but other ruins may be undiscovered. Join Indiana Andy as he searches for the lost temple of Ixipixi and the fabulous jade mask that was buried with King Ixi. Of course, Andy will donate the mask to a local museum.



1. How far is it from Nebaj south to the Pacific Ocean? _____
2. Which ruin is about 140 miles southwest from Copan? _____
3. Is it more than 100 miles straight from La Armelia to the border of Belize? _____
4. About how far is it from Tikal to Copan? _____
5. Is it less than 100 miles from Chichen Itza east to the Caribbean Sea? _____
6. Comalcalco is about 225 miles southwest from which ruin? _____
7. What direction is Uaxctun from Copan? _____
8. What direction is Tazumal from Caracol? _____
9. Is Pusiha more or less from 150 miles from Mexico? _____
10. Which ruin is about 105 miles northwest of Quirigua? _____
11. If you traveled in a straight line from Coba to Tazumal, which countries would you travel in or across? _____

Scale; Directions

LEGEND

- BORDERS
- ~~~~~ BODIES OF WATER
- Ⓛ TEMPLE RUINS

Scale: 1" = 70 miles



1. CHICHÉN ITZÁ was a powerful Mayan center and dominant influence in the north Yucatan from 900-1200 A.D.

2. EL MIRADOR was an ancient population center until it was abandoned in 150 A.D.

3. The UAXACTÚN Temple was aligned to astronomical events and ceremonies at midsummer and midwinter.

4. TIKAL reached its peak of greatness under King Stormy Sky, in 411-457 A.D.

5. BONAMPAK celebrated war victories with carved murals on its temple walls in 790 A.D.

6. COPÁN was a major Mayan center until 738 A.D.

MAYAN RUINS OF THE YUCATAN



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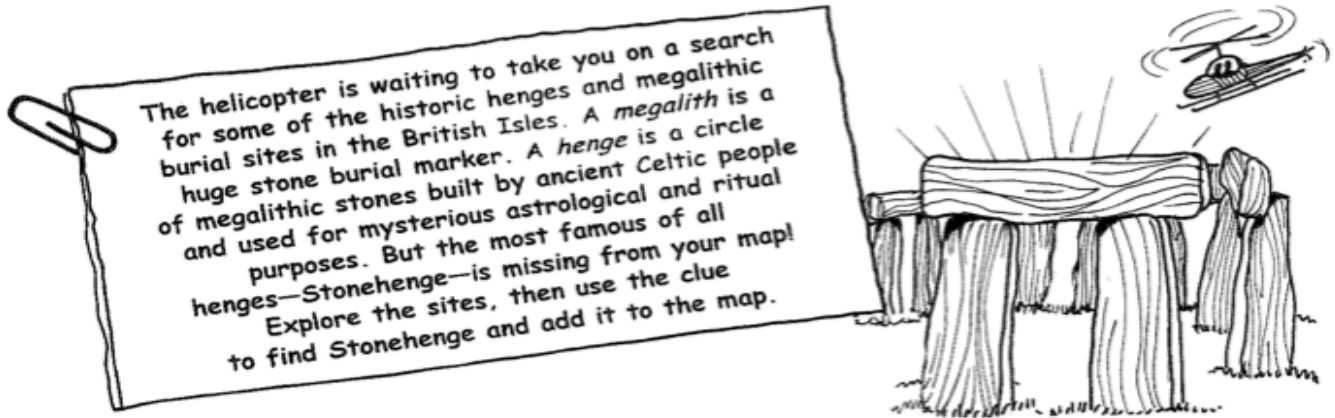
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HOMEWORK

_____/10 Mastered/Passing/Not Mastered

Joining in On





THE HUNT FOR ANCIENT HENGES



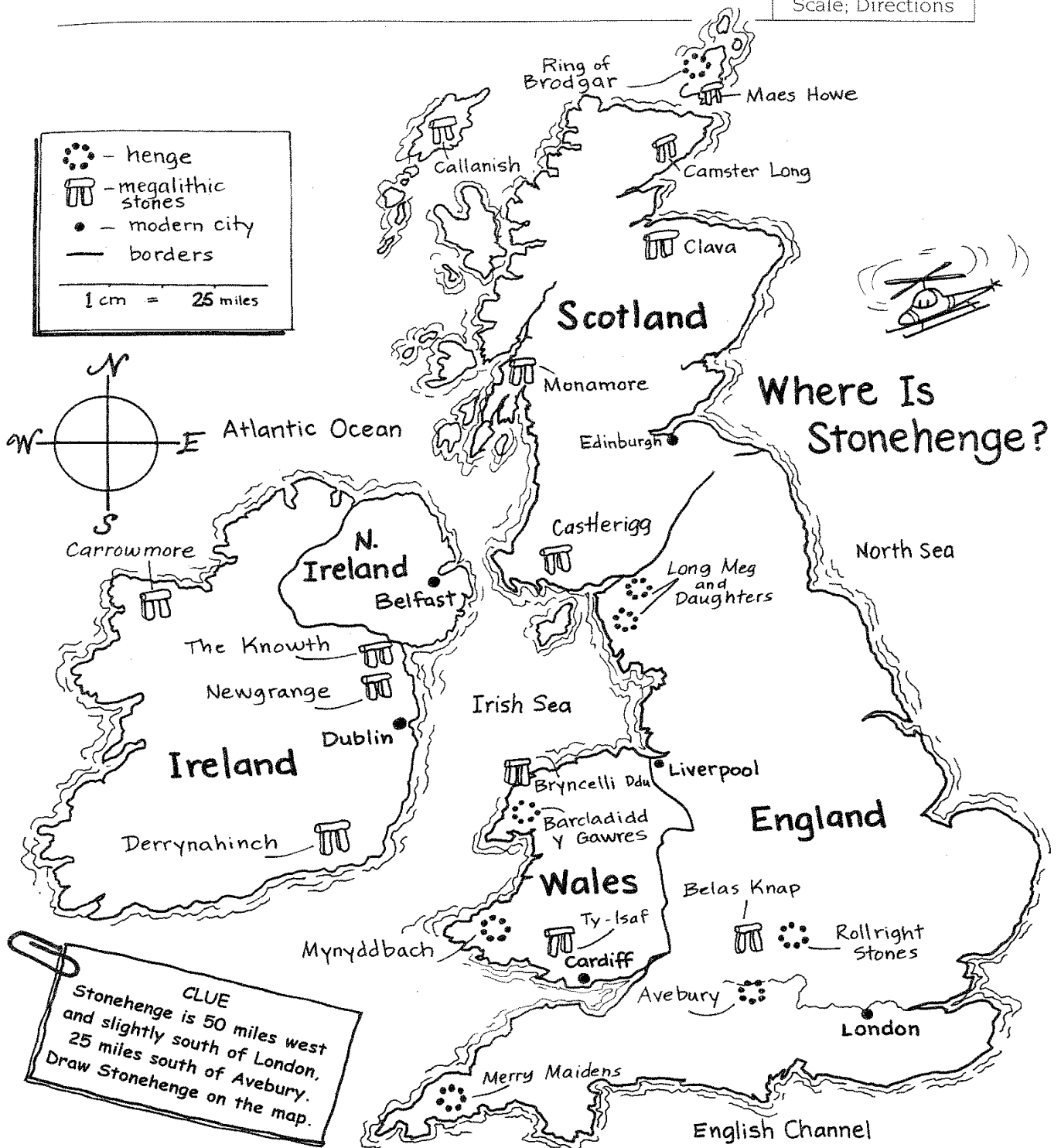
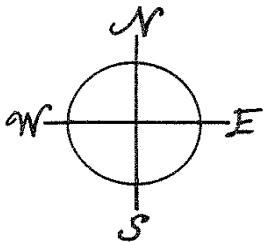
Use the map scale to complete the chart. Tell how many miles the henge hunters covered each day.

DATE	HENGES, BURIAL SITES, & CITIES VISITED	MILES COVERED (approximate)
March 1	Callanish to Ring of Brodgar	
March 2	Maes Howe to Camster Long to Clava	
March 3	Clava to Monamore to Edinburgh	
March 4	Edinburgh to Belfast	
March 5	Belfast to the Knowth of Carrowmore	
March 6	Carrowmore to Newgrange to Derrynahinch to Dublin	
March 7	Dublin to Liverpool to Casterigg to Long Meg & Daughters	
March 8	Long Meg and Daughters to Cardiff	
March 9	Cardiff to Merry Maidens to Avebury to Belas Knap	
March 10	Belas Knap to Mynyddbach to Barcladidd y Gawres	
March 11	Barcladidd y Gawres to London	
March 12	London to Maes Howe (again) and back to London	

Scale; Directions

 - henge
 - megalithic stones
 - modern city
 - borders

 1 cm = 25 miles



CLUE
 Stonehenge is 50 miles west
 and slightly south of London,
 25 miles south of Avebury.
 Draw Stonehenge on the map.

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EXIT TICKET

_____/5 Mastered/Passing/Not Mastered



Source: F. Daniel Larkin et al., *New York: Yesterday and Today*, Silver Burdett & Ginn (adapted)

1. Circle the map scale on the map above
2. What does map scale show?
 - a. time
 - b. distance
 - c. direction
 - d. location
3. What type of map is this map? _____
4. What is the distance between Rochester and Watertown? _____

SHOW YOUR WORK