

Mapping Skills

Hemispheres, the Map Legend, the Scale Bar and the Compass Rose



Name: _____

MAPPING SKILLS VOCABULARY

TERM	DEFINITION
Map	A representation of an area of land or sea showing physical features, cities, roads, etc.
Mental Map	A map in one's mind that contains the knowledge of an area or an object that the person has.
Key/Legend	The section on a map that explains the symbols and shading.
Scale Bar	The tool on a map used to show distance in real life.
Cardinal Directions	North, South, East, and West
Intermediate Directions	Northeast, Northwest, Southeast, Southwest
Compass Rose	A diagram showing cardinal & intermediate directions on a map.
Hemisphere	One half of the earth; the earth is divided into four hemispheres – Northern, Southern, Eastern and Western.

Equator	The imaginary line that divides the earth into the Northern and Southern hemispheres.
Prime Meridian	The imaginary line that divides the earth into the Eastern & Western hemispheres.
Political Map	A map that uses colors to show country, state, province or other political divisions/boundaries.
Physical Map	A map that shows the physical features of an area, such as the mountains, rivers and lakes.
Thematic Map	A type of map or chart designed to show a particular theme connected with a specific geographic area (climate, population, natural resources, etc.).

Show what you know...

Using the definitions provided, please complete the “Mapping Skills Vocabulary Foldable” provided.

For each term:

- Copy the definition word for word.
- Draw pictures that show your understanding of the word.
- Use COLOR and DETAIL.

Refer to the sample and rubric for grading requirements.

HEMISPHERES

A hemisphere is ONE HALF of the earth. The earth is divided into four hemispheres:

NORTHERN HEMISPHERE

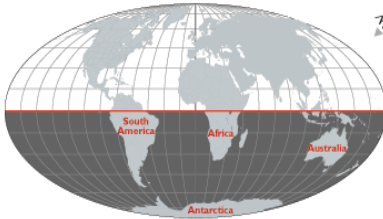
SOUTHERN HEMISPHERE

EASTERN HEMISPHERE

WESTERN HEMISPHERE

Northern Hemisphere

Western Hemisphere



Southern Hemisphere

Eastern Hemisphere

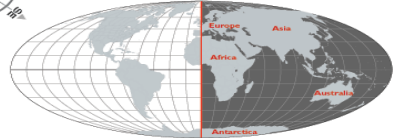
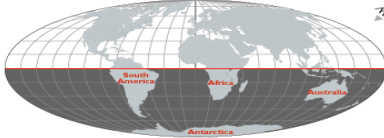
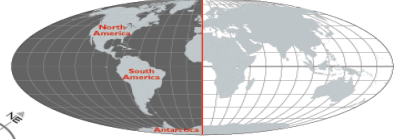
The **EQUATOR** divides the earth into the **NORTHERN** and **SOUTHERN** hemispheres. Highlight and label the **EQUATOR** on all four maps above.

The **PRIME MERIDIAN** divides the earth into the **EASTERN** and **WESTERN** hemispheres. Highlight and label the **PRIME MERIDIAN** on all four maps above.

Northern Hemisphere



Western Hemisphere



Southern Hemisphere

Eastern Hemisphere

Which hemisphere is **Asia** located in?

NORTHERN

SOUTHERN

Which hemisphere is **Antarctica** located in?

NORTHERN

SOUTHERN

Which hemisphere is **Australia** located in?

EASTERN

WESTERN

Which hemisphere is **most of South America** located in?

EASTERN

WESTERN

Which two hemispheres is **Asia** located in?

NORTHERN/EASTERN

SOUTHERN/WESTERN

Which two hemispheres is **most of South America** located in?

NORTHERN/EASTERN

SOUTHERN/WESTERN

Which two hemispheres is **Europe** located in?

NORTHERN/EASTERN

SOUTHERN/WESTERN

Which **continent** is located in the Southern, Eastern and Western hemispheres, but not in the Northern hemisphere?

THE MAP LEGEND (KEY)

The map legend (also known as a key) is the tool on a map that contains the **symbols** used on the map and what they stand for. This is the tool on a map that helps you to read it.

Hard and Scholar Roads → Park Address



Compass

Data provided by 

Interstate 65 → Nearest Thoroughfare

← Park Locator

Interstate 64

Police Facility

Railroad

PARK MAP LEGEND

Activity	Facility	Amenity	Key
Baseball	Amphitheater	Bench/es	Area of Interest
Basketball	Building	Building	Ballpark/Horseshoes
Biking	Cabin	Information	Basketball/Tennis
Croquet	Camping	Picnic Area	Body of Water
Disc Golf	Cemetery	Scenic View	Building
Golf	Shelter/Lodge	Water Fountain	Fenced Area
Hiking	Parking	Water Hookup	Gravel Parking
Horseback Riding	Picnic Area	Water	Green Space
Horseshoes	Restroom	Boat Ramp	Park Area
Multipurpose		Canoe Launch	Playground/Playground/Horseshoes
Playground		Fishing	Road/Paved Parking
Sledding		Spray Pool	Sidewalk/Paved Path
Tennis		Swimming	Swimming/Splash Pool
Walking			Tree

↑ Park Size

2 Acres

↑ Scale



Map Key

Wharves / Jetties	River Mouth Boundary
Marinas	CMA boundary
L1123 Marine Farms	Prohibited Mooring Areas
Archaeological Site	Zoned Mooring Areas
Bird Feeding (Waders)	Sand Dunes
Bird Nesting	Marine Reserve
Bird Roosting	Mangroves and Marshlands
Geopreservation Site	Protected Areas
Marine Mammal Breeding/Feeding	Urban Area
Seal Haul Out	Areas of Significant Conservation Value
Anchorage Areas	

THE MAP LEGEND (KEY)

Turn to page 41 in your atlas and locate the map legend.

1. What does a star in a circle indicate? _____

2. What does a star indicate? _____

3. How would you be able to tell which cities are larger than others on this map?

Turn to page 96 in your atlas and locate the map legend.

4. What color on this map indicates cropland?

5. What color on this map indicates semi-desert/desert?

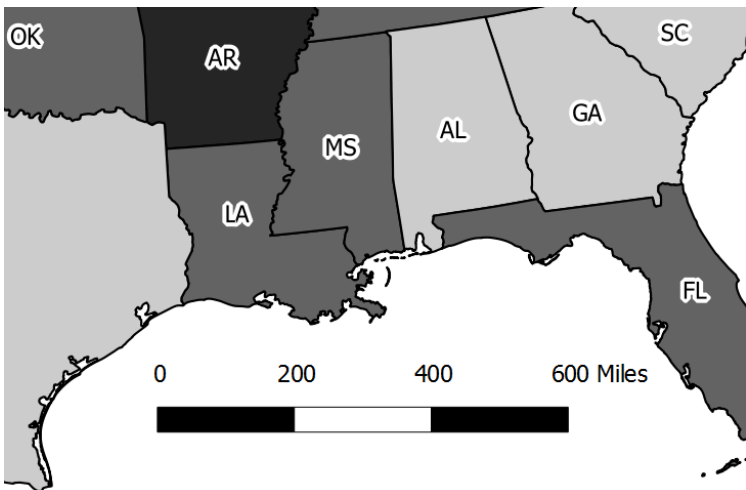
Show what you know...

In your own words, describe, in general, what a map legend (key) is used for.








THE SCALE BAR

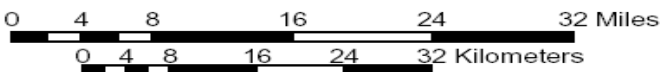
The scale bar is the tool on a map that is used to determine distances on a map in real life. For example, you could use the scale bar to determine how many miles separate two locations on a map. The scale bar will most times be found in the map legend or key.

CIRCLE THE SCALE BARS BELOW.



Legend

 Atlas Page Outlines	 Highways
 County Boundary	 Interstate
 Mountain Peaks	 Federal Highway
 Cities & Towns	 State Route
 Railroad	 Rivers & Streams
 Lakes & Reservoirs	 Dry Lake



THE SCALE BAR

Turn to page 41 in your atlas and locate the scale bar.

1. One inch stands for _____ miles.

2. This map scale tells you how many miles one inch represents. ***If it did not tell you, how could you figure it out on your own?***

3. How many miles separate:

Jackson, Mississippi and Montgomery, Alabama? _____

4. How many miles separate:

Concord, New Hampshire and Detroit, Michigan? _____

5. How many miles separate:

Santa Fe, New Mexico and Sacramento, CA? _____

6. How many miles separate:

St. Paul, Minnesota and Milwaukee, Wisconsin? _____

THE COMPASS ROSE

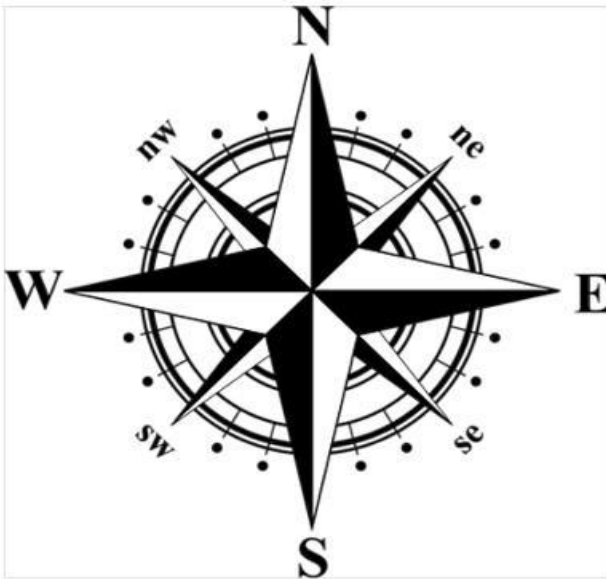
The compass rose is the tool on a map that shows cardinal and intermediate directions.

Cardinal Directions:

NORTH
SOUTH
EAST
WEST

Intermediate Directions:

NORTHEAST
NORTHWEST
SOUTHEAST
SOUTHWEST



THE COMPASS ROSE

Turn to page 41 in your atlas and locate the scale bar.

In what direction would you travel to get from:

1. Illinois to Wisconsin? NORTH SOUTH

2. Oregon to California? NORTH SOUTH

3. New Mexico to Utah? NE NW

4. Georgia to South Carolina? SW NE

5. Tennessee to Louisiana? SW NE

6. Wyoming to Washington? SW NW

7. Maine to Ohio? NE SW

8. Ohio to Maine? NE SW

9. North Dakota Nebraska? SOUTH NORTH

10. Texas to Florida? EAST WEST

11. Montana to Arkansas? _____

PRACTICE!

Political Map: South America (page 57)

1. Is Bolivia north or south of the Equator? _____
2. What body of water is north of Venezuela? _____
3. What country is WEST of Argentina? _____
4. What ocean is east of South America? _____

In what direction would you travel in to get from:

5. Bolivia to Ecuador? _____
6. Brazil to Chile? _____
7. Colombia to Paraguay? _____
8. Ecuador to Venezuela? _____
9. French Guiana to Chile? _____
10. How many miles does one inch represent on this map? _____

ABOUT how many miles separate:

11. Quito, Ecuador and Lima, Peru? _____
12. Brasilia, Brazil and Punta Arenas, Chile? _____
13. Bogota, Colombia and Georgetown, Guyana? _____

Political Map: Australia (page 97)

1. Is Australia north or south of the Equator? _____
2. What body of water is south of Australia? _____
3. What country is SE of Australia? _____
4. What sea is north of Australia? _____

In what direction would you travel in to get from:

5. Queensland to Tasmania? _____
6. Perth to Mt. Isa? _____
7. Darwin to Port Hedlund? _____
8. Brisbane to Townsville? _____
9. Derby to Sydney? _____
10. How many miles does one inch represent on this map? _____

ABOUT how many miles separate:

11. Port Hedlund and Townsville? _____
12. Mt. Isa and Brisbane? _____
13. Lake Barlee to Lake Mackay? _____

Political Map: Africa (page 63)

1. Is Angola east or west of the Prime Meridian? _____
2. What body of water is east of Egypt? _____
3. What country is EAST of Libya? _____

In what direction would you travel in to get from:

4. Namibia to Mozambique? _____
5. Mozambique to Namibia? _____
6. Angola to Namibia? _____
7. How many miles does one inch represent on this map? _____

ABOUT how many miles separate:

8. Cape Town and Port Elizabeth South Africa? _____
9. Ghat and Al Jawf, Libya? _____
10. Bamako, Mali and Nairobi, Kenya? _____

TIME TO PREPARE!

It is almost test time!

You will soon be having a test on basic mapping skills, which will include your understanding of:

THE MAP LEGEND

THE SCALE BAR

THE COMPASS ROSE

To help you get ready, go back through this mini-text.

Are you comfortable with everything we have covered so far?

What do you think you need to work on?

Please complete the study guide provided. Once we have gone over it as a class, you may want to attend the extra help session I will be offering prior to the test!

GOOD LUCK TO YOU!