

JUST FOR U.S.*

GRADES 4 - 6

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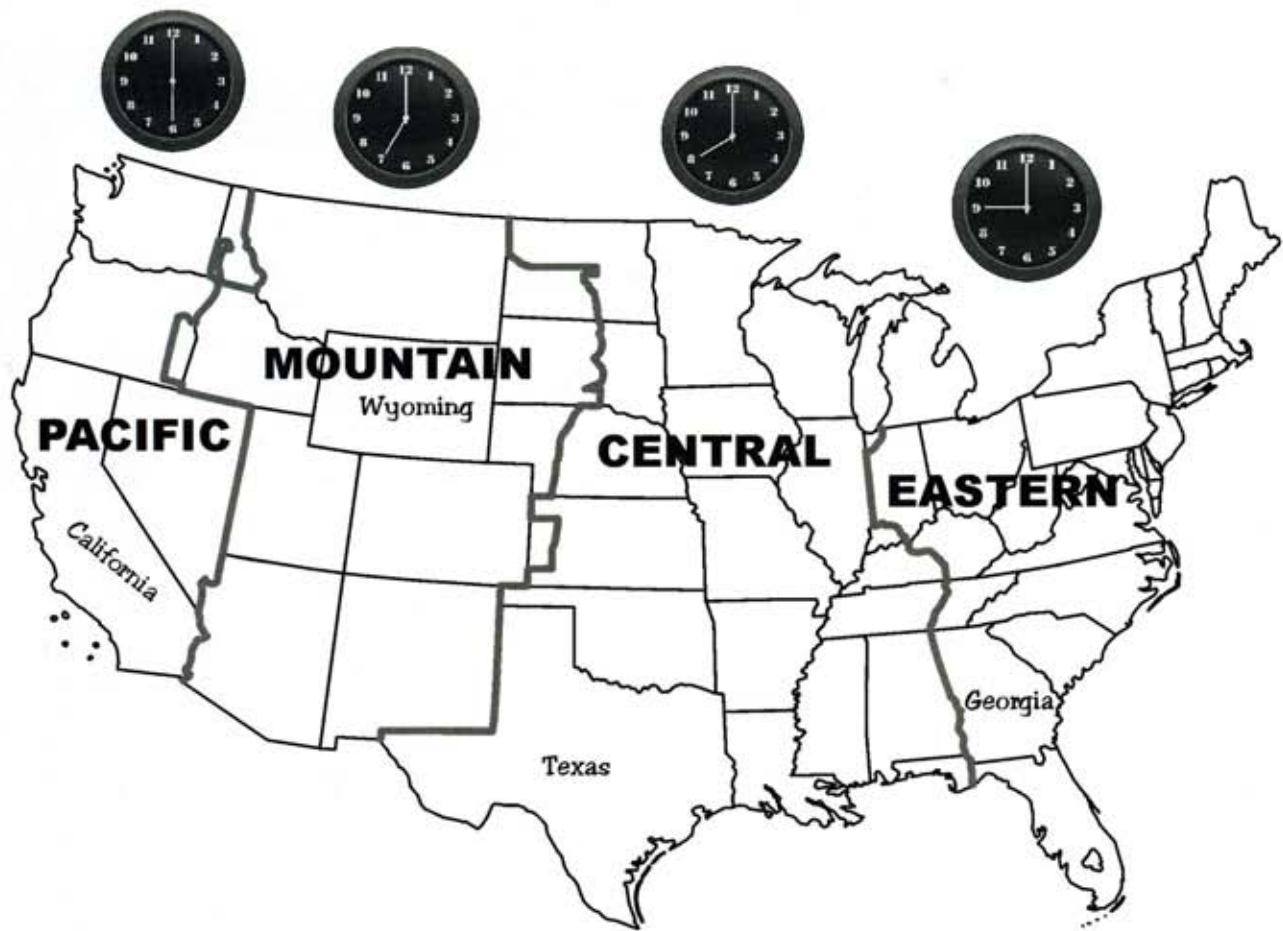
10 9 8 7 6 5 4 3 2 1

HAPPY NEW YEAR!

Do you like beginning a new year?
Some people like it so much they are
taking a special trip to be the first AND
last people to begin the new year.

How can that be? Let's take some TIME
and find out!

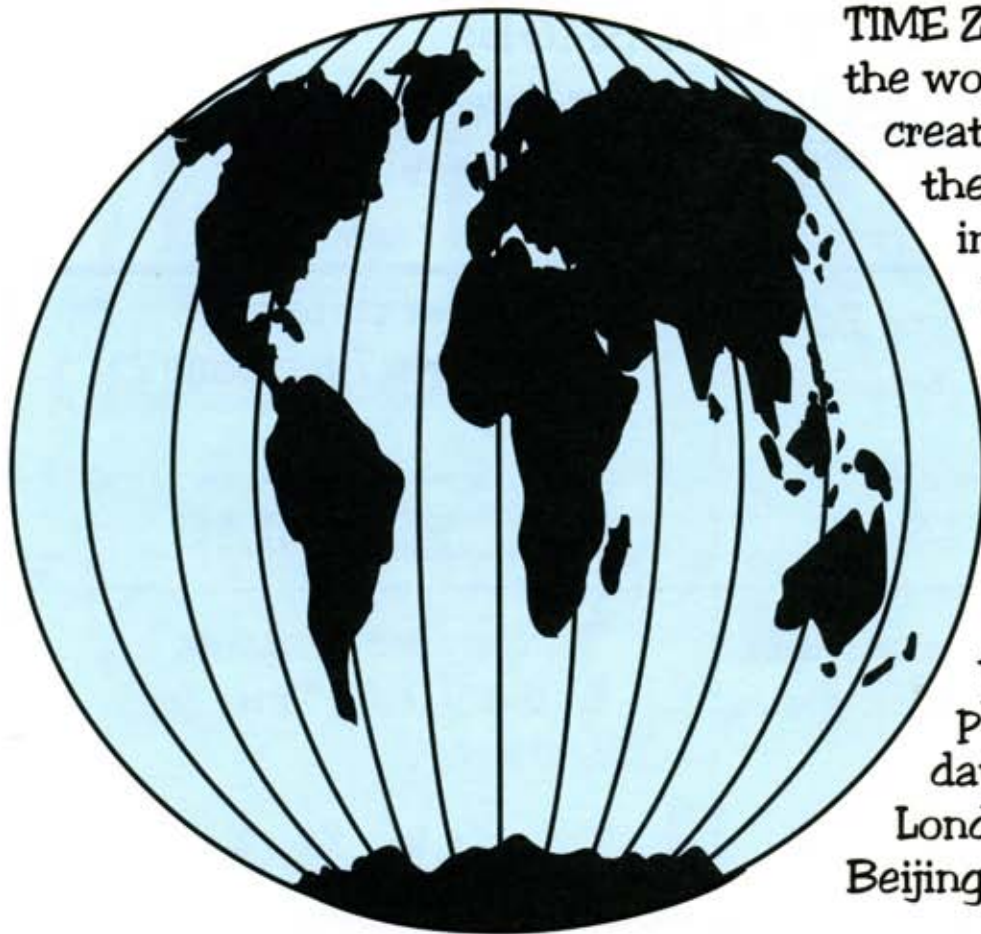
Did you know you could fly west and land "before" you started? This is because of **TIME ZONES**. Each **TIME ZONE** is 1 hour different than the time zone next to it. Georgia is in the Eastern Time Zone. When you go to the Central Time Zone, you set your watch back one hour. California is in the Pacific Time Zone. When you are at school at 9:00 a.m. in Georgia, it is 6:00 a.m. in California. People are still sleeping! So, your day in Georgia begins before the day in California. To be the first to begin the new year, you have to go to the place that begins the day before every other place.



Write the names of the rest of the states!

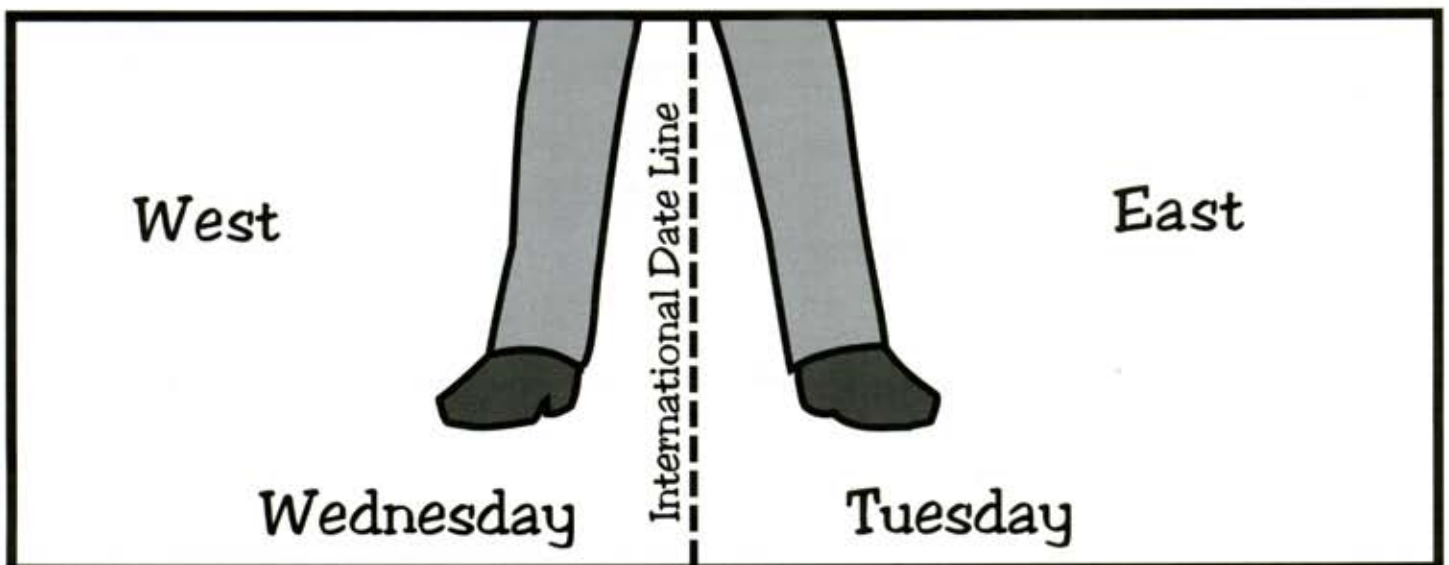
Alaska is in the ALASKA TIME ZONE.
Hawaii is in the HAWAII TIME ZONE.

Why do we need TIME ZONES? Before time zones, each city set its own time. Cities have daylight (face the sun) at different times because the earth rotates. Time from city to city was 17, 26 or any number of minutes apart. When trains started to travel between towns, schedules were impossible to set!



TIME ZONES go all around the world. Time zones were created in 1884 by dividing the earth into 24 imaginary equal parts. Each part became a time zone. Time zone lines today are not straight because each country decided where the lines should go. If you travel east, you go to places that begin the day before you, like London, England and Beijing, China.

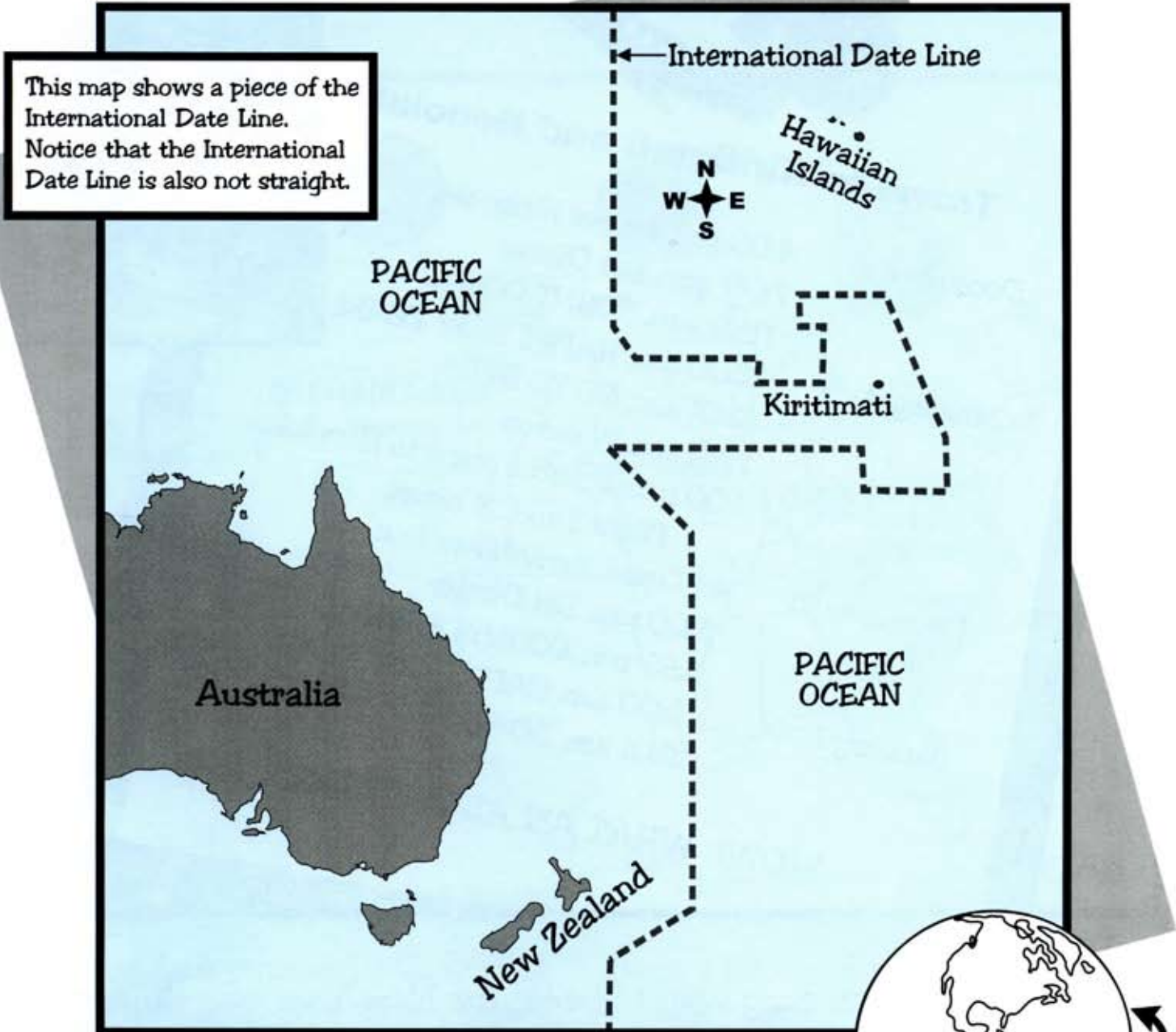
If you fly to the Pacific Ocean, you fly to a special **TIME ZONE**. This **TIME ZONE** is divided by another imaginary line, the International Date Line. On each side of the line, the time is the same but the **DAY** is different! If you could stand across this imaginary line, one foot would be in Wednesday. Your other foot would be in Tuesday!



EACH DAY BEGINS AT THE INTERNATIONAL DATE LINE!

So, how can you be first AND last to begin the new year? Go to a place west of the International Date Line. Count down to the New Year. Fly to a place east of the International Date Line. It will be the day before. You can count down to the New Year again!

Let's plan your trip! Kiritimati (ker-is-mes) is on an island in the Pacific Ocean, west of the International Date Line. It is in the same time zone as Honolulu, Hawaii which is east of the International Date Line. Kiritimati and Honolulu are the same time but different days.



The earth rotates counterclockwise. What places on this map will be next to begin the new year?

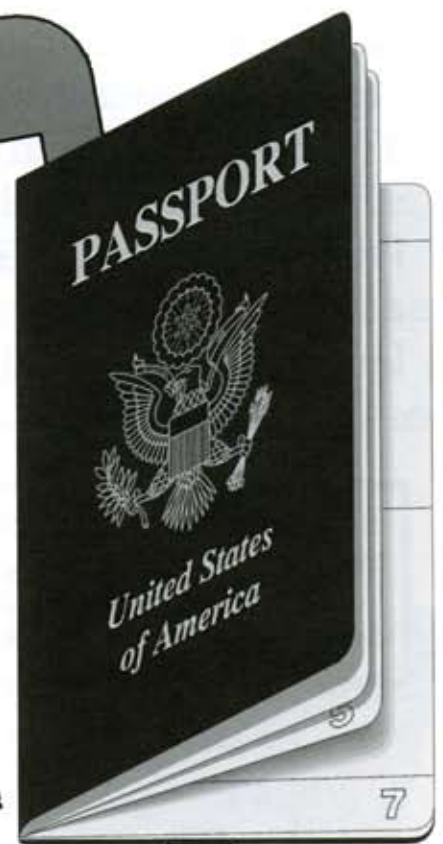
Here is your schedule!



Travel to Kiritimati and Honolulu

- December 31 4:00 p.m. Arrive Kiritimati
7:00 p.m. Eat Dinner
11:59 p.m. COUNT DOWN!
January 1 12:00 a.m. HAPPY NEW YEAR!
12:01 a.m. GO TO BED!
7:00 a.m. Wake up
1:00 p.m. Board a plane to Honolulu
Flight Time: 3 hours
December 31 4:00 p.m. Arrive Honolulu
7:00 p.m. Eat Dinner
11:59 p.m. COUNT DOWN!
January 1 12:00 a.m. HAPPY NEW YEAR!
12:01 a.m. GO TO BED!

WOW! WHAT AN ADVENTURE!



Pssst...

Want to know an easy way to begin the New Year two times?
Drive from Kansas to Lebanon.

Kansas, Georgia to Lebanon, Alabama that is!! Alabama is in the Central time zone. It is one hour behind Georgia!

SECRET MESSAGE!

Use the map inside to answer these questions and decode a secret message.

<p>Name of Georgia's Time Zone</p> <p>_____</p> <p>1 2 3 4 5 6 7</p>	<p>Largest state in the Central Time Zone</p> <p>_____</p> <p>8 9 10 11 12</p>
<p>Mountain Time Zone state that does not touch other time zones</p> <p>_____</p> <p>13 14 15 16 17 18 19</p>	<p>Number of states in the Pacific Time Zone</p> <p>_____</p> <p>20 21 22 23</p>

Secret message to say to people before you go to sleep on December 31.

12 1 9 14 21 22 18 5 10 8 14 1 11 23 !

