

Atelier Mathematics in English.

Part 1: Introduction to Basketball and NBA



1. Rules (Règles) and vocabulary (vocabulaire):

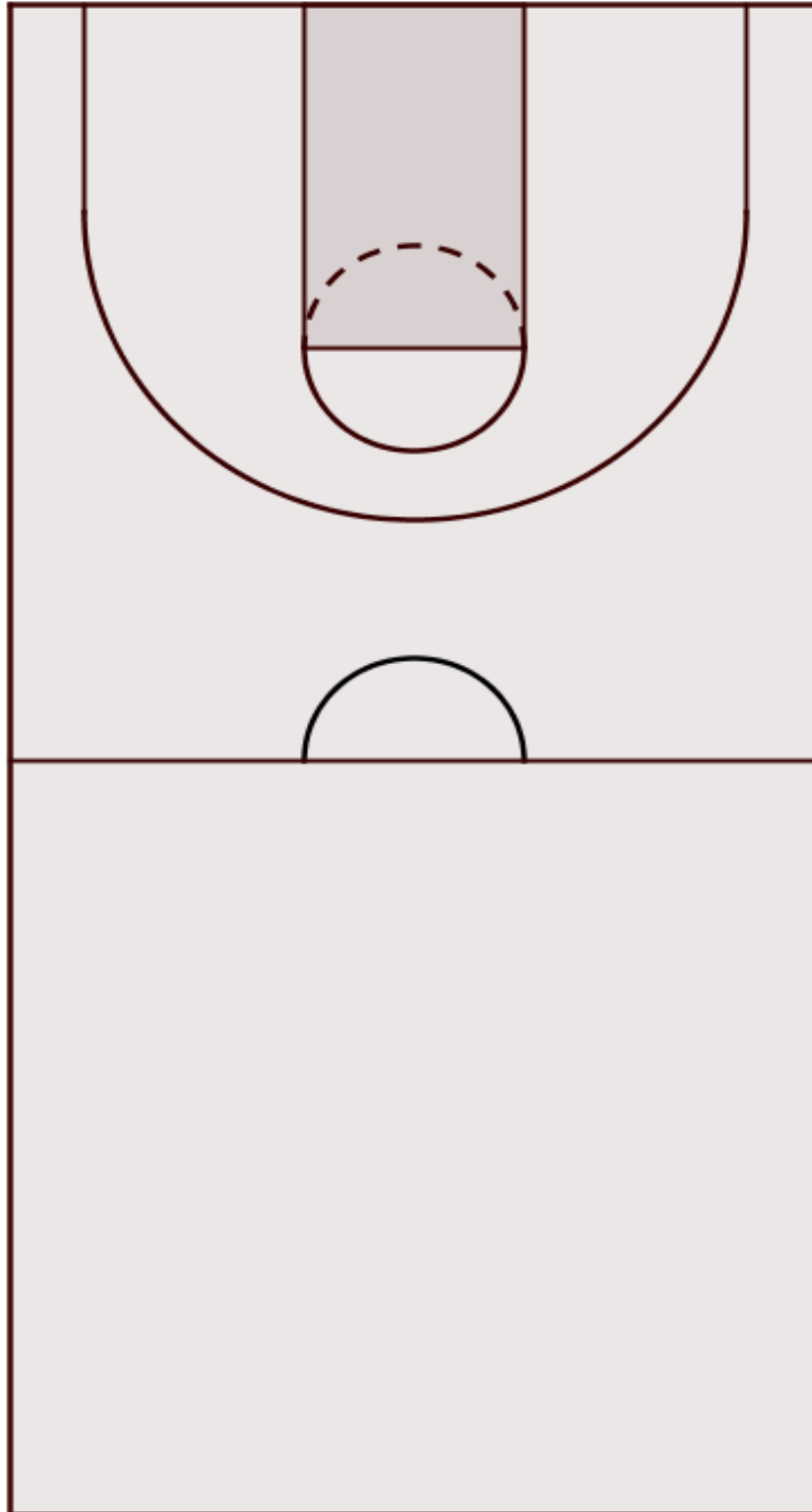
Basketball has specialized player positions:

- PG : Point Guard (.....):.....
- SG : Shooting Guard (.....).....
- SF : Small Foward (.....).....
- PF : Power Foward (.....).....
- C : Center (.....).....

2. Basketball court :

Complete this basketball court with a ruler (.....), a set square (.....) and a compass (.....)

A Basketball court has a :



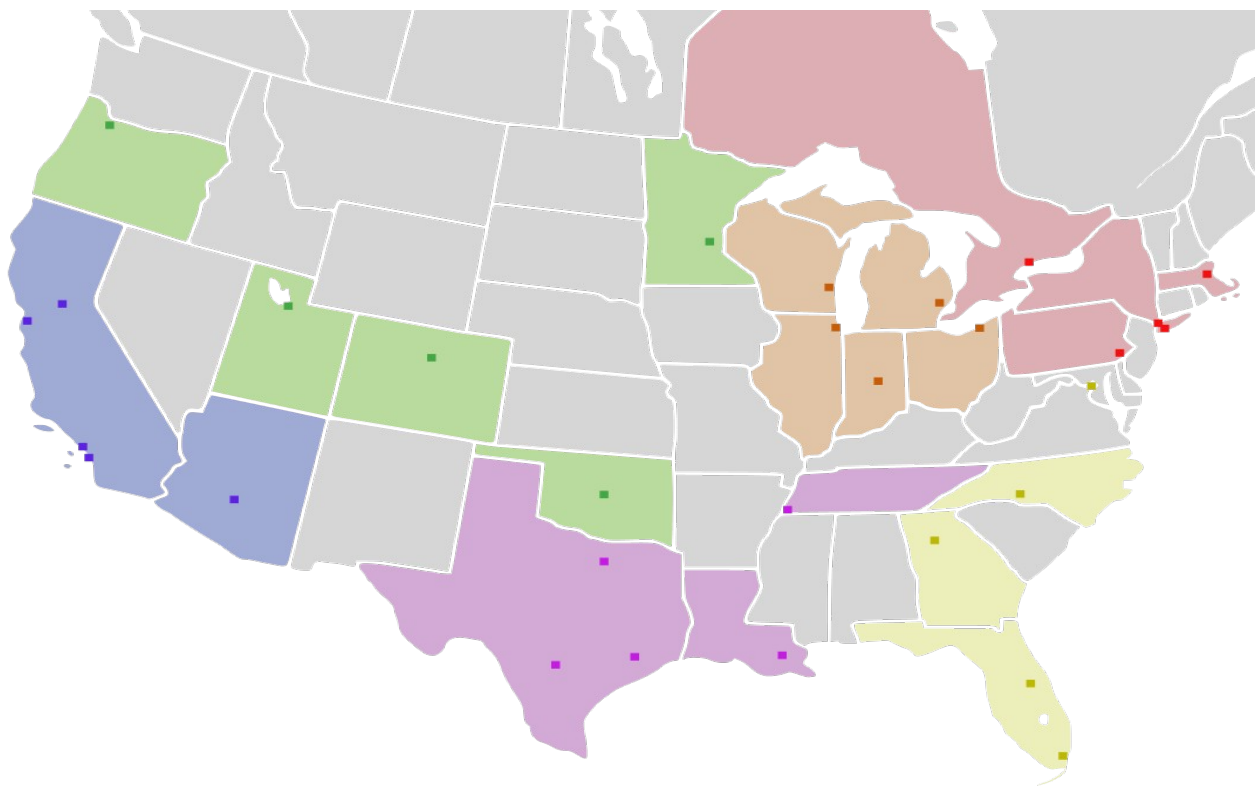


3. The NBA:

The NBA currently consists of 30 teams. The United States is home to 29 teams and one is located in Canada.

<u>Chicago Bulls</u>	<u>Boston Celtics</u>	<u>Atlanta Hawks</u>	<u>Denver Nuggets</u>	<u>Golden State Warriors</u>	<u>Dallas Mavericks</u>
<u>Los Angeles Lakers</u>	<u>Cleveland Cavaliers</u>	<u>Charlotte Bobcats</u>	<u>Minnesota Timberwolves</u>	<u>Los Angeles Clippers</u>	<u>Houston Rockets</u>
<u>New York Knicks</u>	<u>Detroit Pistons</u>	<u>Philadelphia 76ers</u>	<u>Oklahoma City Thunder</u>	<u>Brooklyn Nets</u>	<u>Memphis Grizzlies</u>
<u>Miami Heat</u>	<u>Indiana Pacers</u>	<u>Orlando Magic</u>	<u>Portland Trail Blazers</u>	<u>Phoenix Suns</u>	<u>New Orleans Pelicans</u>
<u>San Antonio Spurs</u>	<u>Milwaukee Bucks</u>	<u>Washington Wizards</u>	<u>Utah Jazz</u>	<u>Sacramento Kings</u>	<u>Toronto Raptors</u>

A. Find the 5 first teams on the map (.....) .



B. Problem:

There's an 1-hour difference between San Antonio and Miami.

(For example when it is 9 a.m in San Antonio it is 10 a.m in Miami.)

It takes 2-hours and 50-minutes to fly (.....) from San Antonio to Miami.

The team of the San Antonio Spurs take off (.....) at 1 p.m.

What time will they arrive in Miami ?

4. NBA Finals : San Antonio Spurs vs Miami Heat

We are going to talk about a special basketball game, the game 6 of the 2013 NBA Finals between the San Antonio Spurs and the Miami Heat.



In the USA, other measure units are used, for example “size”(.....) is measured in “feet” and “inch”.

Conversion:

1 feet \approx 0,3 m ; 1 inch \approx 2,5 cm and 12 inches = 1 feet .

1 \$ \approx 0,75 €

Name	Team	Size (feet and inch)	Salary (dollars \$)
Tony Parker	San Antonio Spurs	6 feet and 3 inches	12500000
Tim Duncan	San Antonio Spurs	7 feet	10361144
Dwayne Wade	Miami Heat	6 feet and 6 inches	18536000
Lebron James	Miami Heat	6 feet and 9 inches	19067500

Convert the size and the salary of the superstar of the last NBA Finals.

Name	Size (mètres m)	Salary (euros €)
Tony Parker		
Tim Duncan		
Dwayne Wade		
Lebron James		

Extra work:

Imagine that you are an NBA player.

Which team do you play for ?

What is your size (cm) ?

Convert your size in feet and inch ?