**Graphing Heights**

**Part One: The NBA**

1. How tall is the average NBA basketball player? \_\_\_feet\_\_\_\_ inches =\_\_\_\_\_\_inches
2. How tall is the tallest NBA player currently playing? \_\_\_feet\_\_\_\_ inches =\_\_\_\_\_\_inches
3. How tall is the shortest NBA player currently playing? \_\_\_feet\_\_\_\_ inches =\_\_\_\_\_\_inches
4. How tall is the tallest NBA player of all times? \_\_\_feet\_\_\_\_ inches =\_\_\_\_\_\_inches
5. How tall is the shortest NBA player of all times? \_\_\_feet\_\_\_\_ inches =\_\_\_\_\_\_inches
6. The average door is 6 ‘ 8” tall. How do you write 8 inches as a fraction of a foot? \_\_\_\_
7. Michael Jordan is 6’ 6” tall. How do you write 6 inches as a fraction of a foot? \_\_\_\_
8. Magic Johnson was 6’ 9” tall. How do you write 9 inches as a fraction of a foot? \_\_\_\_



 **Part Two: Dot Plots**

**Class Height**

**50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70**

9. How much taller is the tallest student than the shortest student in your class?

\_\_\_feet\_\_\_\_ inches =\_\_\_\_\_\_inches

**Part Three: Stem and Leaf Plot**

 Key: 5 2 = 52

10) If everyone in your class were stacked up one on top of each other, how tall would your class be?

\_\_\_feet\_\_\_\_ inches =\_\_\_\_\_\_inches

**Part Four: NBA Stem and Leaf Plot**

**Ten Shortest NBA players of all times**:

1. Tyrone Bogues: 5’3” = \_\_\_\_\_\_inches 7. Slavko Vranes: 7’5” = \_\_\_\_\_\_inches

2. Earl Boykins: 5’3” = \_\_\_\_\_\_inches 8. Mark Eaton: 7’4” = \_\_\_\_\_\_inches

3. Spudd Webbb: 5’7” = \_\_\_\_\_\_inches 9. Rik Smits: 7’4” = \_\_\_\_\_\_inches

4. Wataru Misaka: 5’7” = \_\_\_\_\_\_inches 10. Ralph Lee Sampson: 7’4” = \_\_\_\_\_\_inches

5. Nate Robinson: 5’9” = \_\_\_\_\_\_inches

6. Calvin Murphy: 5’9” = \_\_\_\_\_\_inches

7. Michael Adams: 5’10” = \_\_\_\_\_\_inches

8. Avery Johnson: 5’10” = \_\_\_\_\_\_inches

9. Damon Stoudamire:5’10”= \_\_\_\_\_\_inches

10. Terrell Brandon: =5’11” \_\_\_\_\_\_inches

**Ten Tallest NBA players of all times**:

1. Gheorge Muresan: 7’7” = \_\_\_\_\_\_inches

2. Manute Bol: 7’ 6.75” = \_\_\_\_\_\_inches

3. Shawn Bradley: 7’6” = \_\_\_\_\_\_inches

4. Yao Ming: 7’6” = \_\_\_\_\_\_inches

5. Chuck Nevitt: 7’5” = \_\_\_\_\_\_inches

6. Pavel Podkolzin: 7’5” = \_\_\_\_\_\_inches



**Part Five: Hand Length and Height**

1. Estimate the length of your hand based on 1/10 of your height: \_\_\_inches
2. Now measure your hand. Actual length: \_\_\_\_ inches

**Class Data**

**Directions: Record the class data using this example: (6,60) Hand length: 6 inches Height: 60 inches**

**Scatterplot of Hand Lengths and Heights**

**70**

**60**

**50**

 **5 5.25 5.5 5.75 6 6.25 6.5 6.75 7 7.25 7.5**