



## Mathematics Assessment Activity #12:

# *Jumping to Conclusions*

The ten highest National Basketball League salaries are found in the table below. Numbers like these lead us to believe that all professional basketball players make millions of dollars every year.

### Mathematics Assessed:

- Ability to support or refute a claim;
- Understanding of mean, median, mode, and range;
- Calculation of mean, median, mode and range;
- Problem solving; and
- Communication

While all NBA players make a lot, they do not all earn millions of dollars every year.

NBA top 10 salaries for 1999-2000			
No.	Player	Team	Salary
1.	Shaquille O'Neal	L.A. Lakers	\$17.1 million
2.	Kevin Garnett	Minnesota Timberwolves	\$16.6 million
3.	Alonzo Mourning	Miami Heat	\$15.1 million
4.	Juwan Howard	Washington Wizards	\$15.0 million
5.	Patrick Ewing	New York Knicks	\$15.0 million
6.	Scottie Pippen	Portland Trail Blazers	\$14.8 million
7.	Hakeem Olajuwon	Houston Rockets	\$14.3 million
8.	Karl Malone	Utah Jazz	\$14.0 million
9.	David Robinson	San Antonio Spurs	\$13.0 million
10.	Jayson Williams	New Jersey Nets	\$12.4 million

As a matter of fact according to data from USA Today (12/8/00) and compiled on the website "Patricia's Basketball Stuff" <http://www.nationwide.net/~patricia/> the following more accurately reflects the salaries across professional basketball players in the NBA.

### Salaries of NBA Basketball Players - 2000

Number of Players	Salaries
2	\$19 to 20 million
0	\$18 to 19 million
0	\$17 to 18 million
3	\$16 to 17 million
1	\$15 to 16 million
3	\$14 to 15 million
2	\$13 to 14 million
4	\$12 to 13 million
5	\$11 to 12 million
15	\$10 to 11 million
9	\$9 to 10 million
11	\$8 to 9 million
8	\$7 to 8 million
8	\$6 to 7 million
25	\$5 to 6 million
23	\$4 to 5 million
41	3 to 4 million
92	\$2 to 3 million
82	\$1 to 2 million
130	less than \$1 million
464	<b>Total</b>

According to this source the average salaries for the 464 NBA players in 2000 was \$3,241,895.

**Jumping to Conclusions** - Many basketball players would say that this number is deceiving. They would *claim* that most basketball players don't earn \$3,241,895.

Your job in this activity is to support or refute the claim that “most basketball players do not earn \$3,241,895” using the data that your teacher provides you with on the 2000 salaries for each NBA team. You may also use the data provided above to help evaluate the claim.

In order to evaluate and then support or refute the claim complete the following:

- 1) Select at least three teams to help evaluate the claim. Justify your selection of teams as good choices to help evaluate the claim.
- 2) Determine the range, mean, median, and mode of at least three teams and do any other analysis you think necessary with the data provided above, the data across all the teams or across some of the teams to help evaluate the claim.
- 3) Provide an explanation on how each measure of central tendency (mean, median, mode, or range) and any other analysis you did helps to evaluate the claim. *Provide specific examples from your analysis to make your case.*
- 4) Support or refute the claim (“most basketball players do not earn \$3,241,895”) using the measure(s) of central tendency or other analysis that best reflects the situation and your decision to support or refute the claim. *Provide specific examples from your analysis to make your case.*

**Optional:** Determine the interquartile ranges and/or standard deviations for each of the teams that you analyzed. Explain in what ways this information supports or refutes the claim. Does it provide you with information that is contradictory to or supportive of your findings? Provide specific examples to make your case.

**Note:** Your teacher will provide you with team-by-team data.

## Teacher Supplement



### Mathematics Assessment Activity #12:

## *Jumping to Conclusions*

**Description:** In this assessment activity students will analyze data from the salaries of National Basketball Association (NBA) players and then make a case based upon this analysis that supports or refutes the claim that the majority of the basketball players make less than \$3 million dollars.

**Source:** Center for Assessment

**Important:** To assure that you know the values that were calculated, ask the students to include a list of the players that they included in their calculations. Early pilots showed that students with more knowledge of the NBA included or excluded players without teachers realizing it.

#### **Prerequisites:**

- Calculation and interpretation of mean, median, mode, and range.
- Experience evaluating claims using sets of data and measures of central tendencies.

**Optional:** Interquartile ranges, box plots, and standard deviation

**Resources:** Data attached.

**Intended Depth of Knowledge:** Level 3 – Prove or disproved conjectures, develop and/or explain arguments, solve a complex problem(s) that requires planning as part of solution process, and explain thinking.

**Suggested use in BOE system:** This assessment activity is best used in the BOE system for graduation in any high school mathematics course that focuses on the Wyoming statistics standards.

**Note:** Salaries found after student exemplars.

## Solution - Mathematics Assessment Activity #12:

# *Jumping to Conclusions*

**Possible solution:** Because students may select teams for their analysis, answers will vary. The following is one possible approach a student can take:

- Students should justify their choice of teams with some intentional process – random selection or selection including a very high or very low team; or,
- Salaries of some professional basketball teams in the year 1999-2000: Determine the range, mean, median, and mode for at least three teams.

### Examples of two teams:

Boston Celtics: According to the data, there were 18 players who shared \$51.5 million. The mean salary of these players was \$2.86 million. The range of the salaries was \$10.1m - \$.3m = \$9.8m. The median salary was  $(\$2.3\text{m} + \$2.1\text{m})/2 = \$2.2\text{m}$ . The mode was \$0.3m.

Miami Heat: According to the data, there were 18 players who shared \$73.4 million. The mean salary of these players was \$4.08 million. The range of the salaries was \$16,880,000 - \$16,000, approximately \$16.9million. The median salary was  $(\$2,290,000 + \$2,250,000)/2$ , approximately \$2.3 million. There was no mode since all of the players earned different salaries.

### Analysis across teams:

Of the 464 players, there were 119 who earned salaries of \$4 million and higher. Looking at the salaries of the 41 players earning between \$3 million and \$4 million, there were about 10 of them (about one fourth of the 41) who earned more than \$3 million but less than the mean salary of \$3,241,895. There were approximately 30 of the 41 whose salaries were above the median salary of \$3,241,895. That makes about  $119 + 30 = 149$  of the 464 players whose salaries were above the mean salary. That is about 28% of the 464 players. Just over one quarter of the NBA players earned at least \$3,241,895 in the 1999-2000 season.

Another look at the variation of the salaries comes from the inter-quartile range.

For the Boston Celtics, the inter-quartile range is \$3.6 million.

For the Miami Heat, the inter-quartile range is \$5.55 million.

These numbers show that there is a lot of variation in the size of salaries of the NBA players. With such large inter-quartile ranges, then it means that a sizeable number of players are making a lot more than the median salary and a sizeable number of players are making a lot less than the median salary.

The standard deviations of the salaries are these:

Boston Celtics: \$2.6 million

Miami Heat: \$4.6 million

These numbers also show how much the salaries vary, and in particular for the Heat: on the average, the salaries of the Miami Heat players are about \$4.6 million off of the mean.

### Mathematics Standards and Benchmarks

An “A” in the table below indicates the standards and benchmarks in this assessment activity that have the potential to elicit evidence of student learning. An “I” indicates that instructional strategy that is assumed, but not assessed. An “A\*” indicates the standards and benchmarks that are assessed only by the optional component. This activity has been recoded to the revised Wyoming 2003 Standards by members of the Wyoming Body of Evidence Activities Consortium.

#### 11.1 NUMBER AND OPERATIONS

Students use numbers, number sense, and number relationships in a problem-solving situation.

\*Note: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

	Benchmarks
A	11.1.1 Students represent and apply real numbers in a variety of forms.
A	11.1.2 Students apply the structure and properties of the real number system.
A	11.1.3 Students explain their choice of estimation and problem solving strategies and justify results of solutions in problem-solving situations involving real numbers.
	11.1.4 Students use proportional reasoning to solve problems.

#### 11.2 GEOMETRY

Students apply geometric concepts, properties, and relationships in a problem-solving situation.

\*Note: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

	Benchmarks
	11.2.1 Students use transformations, congruency, symmetry, similarity, perpendicularity, parallelism, and the Pythagorean Theorem to solve problems.
	11.2.2 Students communicate, using mathematical language, to: Interpret, represent or create geometric figures; draw or build figures from a mathematical description; analyze properties and determine attributes of 2- and 3- dimensional objects.
	11.2.3 Students communicate the reasoning used in identifying geometric relationships in problem-solving situations.
	11.2.4 Students solve problems involving the coordinate plane such as the distance between two points, the midpoint, and slope.
	11.2.5 Students connect geometry with other mathematical topics.

#### 11.3 MEASUREMENT

Students use a variety of tools and techniques of measurement in a problem-solving situation.

\*Note: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

	Benchmarks
	11.3.1 Students apply estimation and measurement using the appropriate methods and units to solve problems involving length, weight/mass, area, surface area, volume, and angle measure.
	11.3.2 Students demonstrate an understanding of both metric and U.S customary systems. Students are able to convert within each system.

	11.3.3 Students identify and apply scale, ratios, and proportions in solving measurement problems.
	11.3.4 Students solve problems of angle measure including those involving polygons or parallel lines cut by a transversal.
	11.3.5 Students solve indirect measurement problems.

#### **11.4 ALGEBRA**

Students use algebraic methods to investigate, model, and interpret patterns and functions involving numbers, shapes, data, and graphs in a problem-solving situation.

\*Note: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

	<b>Benchmarks</b>
	11.4.1 Students use algebraic concepts, symbols, and skills to represent and solve real-world problems.
	11.4.2 Students write, model, and evaluate expressions, functions, equations, and inequalities.
	11.4.3 Students graph linear equations and interpret the results in solving algebraic problems.
	11.4.4 Students solve, graph, or interpret systems of linear equations.
	11.4.5 Students connect algebra with other mathematical topics.

#### **11.5 DATA ANALYSIS AND PROBABILITY**

Students use data analysis and probability to analyze given situations and the results of experiments.

\*Note: Students communicate the reasoning used in solving these problems. They may use tools/technology to support learning.

	<b>Benchmarks</b>
<b>A</b>	11.5.1 Students apply knowledge of mean, median, mode, and range to interpret and evaluate information and data.
<b>A</b>	11.5.2 Students draw reasonable inferences from statistical data and/or correlation/best fit line to predict outcomes.
	11.5.3 Students communicate about the likelihood of events using concepts from probability. sample space evaluate simple probabilities evaluate experimental vs. theoretical
<b>A</b>	11.5.4 Students determine, collect, organize, and analyze relevant data needed to make conclusions.

## Assessment Guide: Mathematics Assessment Activity #12: Jumping to Conclusions!

<b>Problem Solving and Concepts Criterion:</b> <i>Uses appropriate mathematical concepts, skills, properties and relationships to investigate and solve problems.</i>			
<b>Standards and Benchmarks</b> 11.1.1 & 2 ; 11.5.1 & 2 & 4			
<b>Intended Depth of Knowledge: Level 3</b>			
<b>Level 4</b>	<b>Level 3</b>	<b>Level 2</b>	<b>Level 1</b>
<p>Meets requirements of level 3 and justifies selection of team as a good choice to evaluate the claim including method to select teams.</p> <p>AND</p> <p>Includes one of the following:</p> <ul style="list-style-type: none"> <li>• Appropriately and accurately uses interquartile ranges or standard deviation to help support or refute the claim.</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>• A connection or extension of the mathematics is made related to the topic or mathematical idea, such as:                             <ol style="list-style-type: none"> <li>a) Extends the problem by investigating other aspects of the problem; or</li> <li>b) Connection between mathematical ideas to other problems, or to other disciplines; or</li> <li>c) Use of mathematical idea to solve a similar, but more complicated problem.</li> </ol> </li> </ul>	<p>Provides a mathematical rationale on how the measures of central tendency calculated helps to evaluate the claim using specific examples from analysis.</p> <p>Supports or refutes the claim (or the claim they identified) using the measure(s) of central tendency or other analysis across teams that best reflects the situation and the decision to support or refute the claim. Key specific examples from analysis are provided to make the case.</p> <p>There may be minor errors or omissions in the solution.</p> <p><b>Support:</b> The student received no support or minor support.</p>	<p>There is an attempt to justify the claim, but the justification:</p> <ul style="list-style-type: none"> <li>▪ Provides only a definitional explanation of the measures of central tendency, and does not explain how the measures of central tendency help to evaluate the claim.</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>▪ Supports or refutes the claim with a limited analysis or the data is not used accurately or appropriately to support or refute claim.</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>▪ Provides the mean, median, mode, or range across the three teams that may be inadequate to support or refute the claim.</li> </ul> <p>OR</p> <ul style="list-style-type: none"> <li>▪ Justification does not consider other analysis across the three teams or other data across the teams.</li> </ul> <p>OR</p> <p><b>Support:</b> Response fulfills requirements of a Level 3, but the student received support without which the work would not be of a Level 3 quality.</p>	<p>Justification considers teams individually, not across teams.</p> <p>OR</p> <p>There is no justification.</p> <p>OR</p> <p>The solution is incomplete.</p> <p>OR</p> <p><b>Support:</b> Response fulfills the requirements of a Level 2, but the student received support without which the work would not be of a Level 2 quality.</p>
<p><b>Check the standards in which the concepts, skills, properties, or relationships were used to solve the problem.</b></p> <p>___ 11.7 Problem Solving    ___ 11.5 Probability and Statistics    ___ 11.6 Technology</p>			



## Assessment Guide: Mathematics Assessment Activity #12: Jumping to Conclusions!

Representation – Tables, Graphs, Diagrams, or Models: <i>Represents accurately, appropriately, and effectively.</i>			
Standards: 11.5.2 & 4		Intended Depth of Knowledge: Level 2	
Level 4	Level 3	Level 2	Level 1
<p>Representations are accurate, appropriate, can be used effectively for the situation meeting the requirements of Level 3, and include other elements, such as:</p> <ul style="list-style-type: none"> <li>• Data set displayed in multiple ways; or</li> <li>• Data represented in multiple ways to make a point; or</li> <li>• Data represented in multiple ways to show a trend; or</li> <li>• Model(s) or diagram(s) used to explain a concept; or</li> <li>• Model(s) or diagram(s) used solve a problem; or</li> <li>• Data represented in multiple ways, models, or diagrams that promote an understanding or extension of the problem.</li> </ul>	<p>Any tables, graphs, models or diagrams are appropriate for representing the data or concepts. There may be some flaws, but the flaws do not negatively impact the understanding or use of the data, diagram or model.</p> <p>Conventions of representation to consider:</p> <ul style="list-style-type: none"> <li>• Data tables have titles, correct values, and labels</li> <li>• Graphs have <ul style="list-style-type: none"> <li>○ appropriate titles;</li> <li>○ correct scaling;</li> <li>○ independent and dependent variables labeled correctly; and</li> <li>○ points accurately plotted.</li> </ul> </li> <li>○ Models and diagrams are labeled.</li> </ul> <p><b>Support:</b> The student received no support or minor support.</p>	<p>Data tables, graphs, models, or diagrams used have a significant flaw(s) that negatively impacts the understanding or use of the representation, such as:</p> <ul style="list-style-type: none"> <li>• Data is collected in tables, but is not organized or correctly titled and labeled; or</li> <li>• The graph selected is inappropriate for representing the situation; or</li> <li>• The graph contains errors in conventions (labeling, scaling, or plotting points); or</li> <li>• Application of the conventions of graphing is inconsistent.</li> <li>• The diagram or models is unclear – (no labels, titles, and explanation).</li> </ul> <p>OR</p> <p><b>Support:</b> Response fulfills requirements of a Level 3, but the student received support without which the work would not be of a Level 3 quality.</p>	<p>An attempt is made to organize or graph the data, or use a model or diagram, but the representation cannot be used to effectively represent the situation.</p> <p>OR</p> <p>Some tables, graphs, diagrams, or model are missing or have convention errors throughout.</p> <p>OR</p> <p><b>Support:</b> Response fulfills the requirements of a Level 2, but the student received support without which the work would not be of a Level 2 quality.</p>

## Assessment Guide: Mathematics Assessment Activity #12: Jumping to Conclusions!

<b>Number Operations/calculation:</b> Accurately calculates mean, median, and range. <b>Standards and Benchmarks:</b> 11.1.1 & 2 <span style="float: right;"><b>Intended Depth of Knowledge: Level 1</b></span> (Note: If an answer is correct, the assumption is that the underlying calculations are correct.)			
Level 4	Level 3	Level 2	Level 1
Solution is correct based on appropriate and accurate calculation of mean, median, and range.	Mean, median, and range are calculated accurately. There may be minor errors that don't affect the final outcome/decision.  OR Minor flaw consistently carried throughout.  <b>Support:</b> The student received no support or minor support.	Consistent errors in the calculation of mean, median, or range.  OR <b>Support:</b> Response fulfills requirements of a Level 3, but the student received support without which the work would not be of a Level 3 quality.	Evidence supports student's inability to calculate the mean, median, and range.  OR <b>Support:</b> Response fulfills the requirements of a Level 2, but the student received support without which the work would not be of a Level 2 quality.

## Assessment Guide: Mathematics Assessment Activity #12: Jumping to Conclusions!

<b>Mathematical Communication:</b> <i>Communicates mathematically to explain reasoning and solution.</i> <b>Standards:</b> 11.1.3 ; 11.5 <b>Intended Depth of Knowledge: Level 2</b> (Note: This criterion assesses how well a student communicates the solution, not conceptual understanding or the accuracy of the solution.)			
Level 4	Level 3	Level 2	Level 1
<p>Response includes the use of consistent, accurate, and appropriate symbolic or formal notation, and the text included enhances the understanding of the mathematics or logic used, while minimizing descriptions of procedures or calculations already evident in the work.</p> <p>AND</p> <p>Includes additional aspects of strong mathematical communication such as:</p> <ul style="list-style-type: none"> <li>• Clear links between the different parts of the activity;</li> <li>• Accurate and appropriate use of more than one type of representation with a clear linkage between the representation and the text and the representations with each other; or</li> <li>• Clear links between an equation(s) or formula(s) and a model(s), diagram(s), or graph(s) and the text.</li> </ul>	<p>Presentation is communicated:</p> <ul style="list-style-type: none"> <li>• Using mathematical terms or notation that are accurately and appropriately applied (There may be some minor flaws);</li> <li>• With a logical presentation;</li> <li>• Using tables, graphs, models, diagrams, calculations, or text, where appropriate, but the reader may have to make connections between them; and</li> <li>• Using grammar and conventions that do not get in the way of understanding the results of the solution.</li> </ul> <p>There may be some inconsistencies in the presentation.</p>	<p>Use of accurate and appropriate mathematical terms or notation is inconsistent, or some common terms are used instead of mathematical terms.</p> <p>OR</p> <p>Parts of the presentation are not logical.</p> <p>OR</p> <p>The application of grammar and conventions get in the way of understanding reasoning or solution path.</p> <p>OR</p> <p><b>Support:</b> Response fulfills requirements of a Level 3, but the student received support without which the work would not be of a Level 3 quality.</p>	<p>Mathematical terms or notation are used, but they are inaccurate throughout the presentation, or common terms are used instead of mathematical terms.</p> <p>OR</p> <p>The presentation is not logical or there is little work or explanation.</p> <p>OR</p> <p>The application of grammar and conventions make it impossible to understand reasoning or solution path.</p> <p>OR</p> <p><b>Support:</b> Response fulfills the requirements of a Level 2, but the student received support without which the work would not be of a Level 2 quality.</p>

## Mathematics Assessment Activity # 12:

# *Jumping to Conclusions*

### Anchor Papers

This section contains sample student work that has been assessed by Wyoming teachers who participated in the Wyoming Activities-Based Consortium. Using the rubrics for this mathematics assessment activity, each example has been assigned score levels and includes accompanying annotated student work and "justifications" explaining assignment of scores.

The examples represent a range of student work collected as a result of piloting in Wyoming high schools during the 2000- 2002 school years. In some cases sample student work for particular score points or for particular parts of assessment activities was not available at the date of publication. The BOE Assessment Activities Consortium will add sample student work for those parts and at those score points as they become available.

Anchor papers in this set include:

JC2-066

JC2-002

JC2-008

JC2-005

JC2-046

<b>Mathematics Assessment Activity: # 12: Jumping to Conclusions</b>	
<b>Anchor #: JC2-066</b>	
<b>Criterion: Problem Solving and Concepts</b>	<b>Level: 3</b>
<p>This is a level 3 response because appropriate skills and concepts are applied to determine mean, median, mode, and standard deviation for the three teams and for the players across the three teams (“overall mean”). Mathematical rationales are evidenced that demonstrate how each measure helps to evaluate and support the claim (“most basketball players do not...median was \$930,000 which means that over half of players are earning at or below ...”. “the standard deviation...”).</p> <p>Even though the response includes extensions (Determined the mean across the players of the 3 teams, used the standard deviation to evaluate the claim, and evaluated the teams at the beginning and the end of the season) this is a level 3, not a level 4 response, because the rationale for selecting the teams was biased.</p>	
<b>Criterion: Representation</b>	<b>Level: 4</b>
<p>This is a level 4 response because the response includes multiple representations that promote an understanding of the problem. There are 2 data tables, one that shows the measures of central tendency for salaries of all players at the beginning of the season, and a 2nd table shows the measures for salaries for only those players that complete the season. There is also a 3-D bar graph that provides a visual display of the similarities and differences between the teams and the measures. All representations are titled and axes are labeled correctly.</p>	
<b>Criterion: Number Operations/Calculation</b>	<b>Level: 4</b>
<p>This is a level 4 response because all measure of central tendency values are correct.</p>	
<b>Criterion: Mathematical Communication</b>	<b>Level: 4</b>
<p>This is a level 4 response because there is a clear link between the data and claim. Values from the data tables are referenced in defense of the claim. Mathematical terminology (mean, median, mode, range, standard deviation) are accurately and appropriately used throughout. (“The standard deviation for each of the teams...that tells me that the average isn’t a good indicator...”) The response is logical and complete.</p>	

**Anchor #: JC2-066**  
**Mathematics Assessment Activity #12: Jumping To Conclusions**

JC2-066

The data compiled from the Atlanta Hawks, the Chicago Bulls, and the Utah Jazz supports the claim that *MOST* National Basketball Association players do not earn at or above \$3,241,895.00 in yearly salaries. To determine this the range, median, mean, and mode was figured in addition to standard deviation.

**Problem Solving and Concepts:**  
 The selection of the teams lacks randomness.

I chose the teams I did for biased reasons only. I picked my favorite team in the Western Conference and my favorite team in the Eastern Conference. The Chicago Bulls was a third choice chosen on curiosity. I wanted to know what kind of salary the team that kept Michael Jordan. I was extremely surprised to find that it had the lowest total annual salary paid for the 1999-2000 season. (\$27,032,368 versus \$44,169,202 in Atlanta and \$50,348,426 in Utah.)

Below is a chart including the range, mean, median, mode and standard deviation for each of my chosen teams.

**Representation:**  
 Although there is no title for the table, the text introduces the table.

**Problem Solving and Concepts:** Applied appropriate skills and concepts to determine the range, mean, median, mode and standards deviation of the three teams.

	Atlanta	Chicago	Utah
range	\$12,785,073.00	\$5,280,000.00	\$13,968,294.00
mean	\$2,598,188.35	\$1,126,348.67	\$3,146,776.63
median	\$1,625,000.00	\$555,000.00	\$1,245,360.00
mode	\$1,925,000.00	\$510,000.00	\$5,200,000.00
standard deviation	\$3,086,406.63	\$1,496,639.99	\$4,058,213.14

**Representation:**  
 Table for all players that started season with accurate column and row labels.

The range for these three teams was extremely large, \$13,980,000.00. Basically, all that that tells me is that one player is earning a lot (in this case \$14 million) and another isn't earning anywhere near as much (\$20,000).

The mean for these combined teams, which I refer to as "overall", was \$1,079,439.00 below the NBA mean (\$2,132,456). One thing that needs to be taken into account is that only one of the three teams I picked has a player that was one of the top ten highest paid players. Another aspect I noticed was that several of the players did not

**Problem Solving and Concepts:**  
 Determined the mean across the players of the three teams. (Overall mean)

**Anchor #: JC2-066**  
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JC2-066

play the entire year for these teams. They were released early, therefore they did not receive a full years pay. Chicago alone released eleven players before the season's end.

The median in each of the teams is well below what the mean is. The overall median was \$930,000.00 which means that over half of players are earning at or below that level. Nine-hundred thirty thousand dollars is a long way from the NBA average of \$3,241,895.

The standard deviation for each of the teams is larger than the team mean. That tells me that the average isn't a good indicator of what most people are earning at all. The difference between the overall standard deviation and the overall mean was \$841,875.55. That is a huge number that tells me that there are huge gaps in the pay rates. If the average distance from the average is a smaller number it means that the mean is a good approximation of what the majority of players are earning. In these teams the standard deviation was huge! Enough to prove to me that there was no way that the mean was any where close to the norm.

**Communication:**  
Clear link between data and claim.

**Problem Solving and Concepts:**  
Mathematical rationale that supports claim.

In any case there was a lot of data to support the players claim that *MOST* (over 50%) don't earn as much the NBA average. The part that bothered me was that there were numerous players included in these numbers that did not complete an entire season. Therefore, I was not convinced that they should be entered in the data, so I redid the range, mean, median, mode, and standard deviation for the teams without all the early release players.

Below is a table of the numbers without fourteen of the lower paid players that left the teams prior to season's end.

**Representation:**  
Table with measures of central tendency for teams at the end of the season.

**Problem Solving and Concepts:**  
Reevaluated claim excluding released players.

	ATLANTA	CHICAGO	UTAH
range	\$12,435,249.00	\$5,270,000.00	\$13,688,000.00
mean	\$2,960,381.86	\$1,769,386.79	\$3,557,622.86
median	\$1,925,000.00	\$1,096,740.00	\$1,780,000.00
mode	\$1,925,000.00	#N/A	\$5,200,000.00
standard deviation	\$3,289,927.19	\$1,687,050.08	\$4,188,051.02

2A

**Calculations:** Correct values calculated for median, mean and mode, and standard deviation.

**Anchor #: JC2-066**

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**Problem Solving  
and Concepts:**

Evaluated claim  
for teams at the  
end of the season.

JC2-066

Again the ranges are extremely large, especially on the Utah end, but the mean offers a little more insight to the NBA numbers. Utah's average is actually above the NBA average when the early release players are removed. Still that isn't a very good gauge of anything.

The medians are still a lot lower than the average although they have risen considerably, especially Chicago's. I think that the median is one of the best tools for understanding what *MOST* of the players are earning.

The modes remained about the same.

Again, the standard deviation is quite large. In Chicago's case it actually dropped below that team's mean, but the mean rose considerably. The standard deviation grew making the mean a very poor indication of what *MOST* players earn.

All in all I would say that most NBA players don't earn the \$3.2 million that the average shows. There are a select few stars that manage to drag the numbers up. Many players don't last very long in the NBA, so they don't get on that gigantic pay scale.

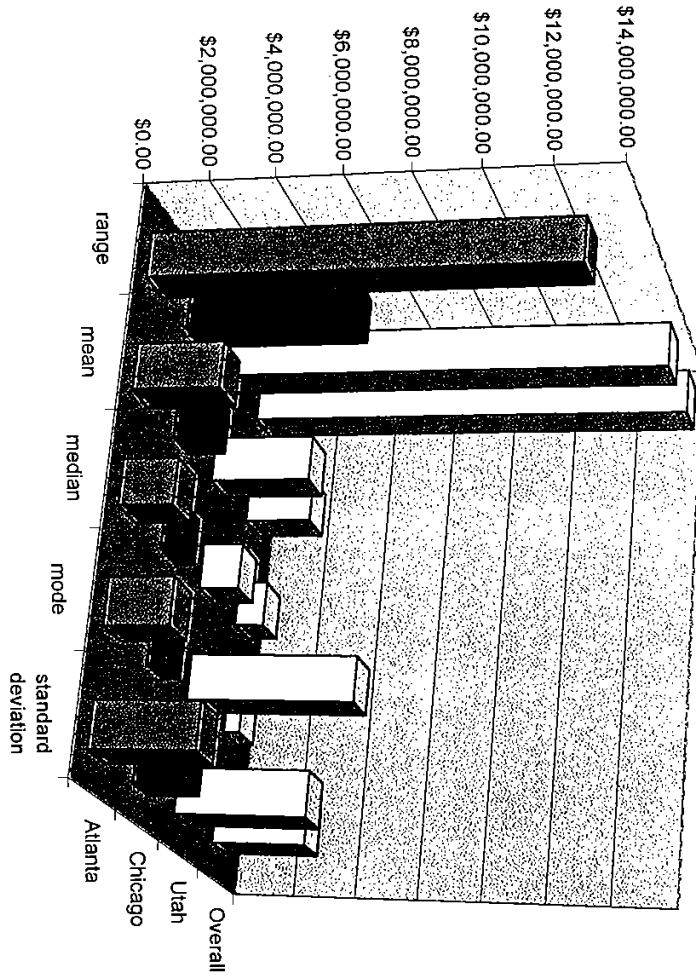
3A



Anchor #: JC2-066

Mathematics Assessment Activity #12: Jumping To Conclusions

JC2-066



THREE TEAM COMPARISON w/COMPILATION



4A

**Representation:**  
Accurately titled, scaled and labeled graph that visually shows the relationships between the measures of central tendency and the team.

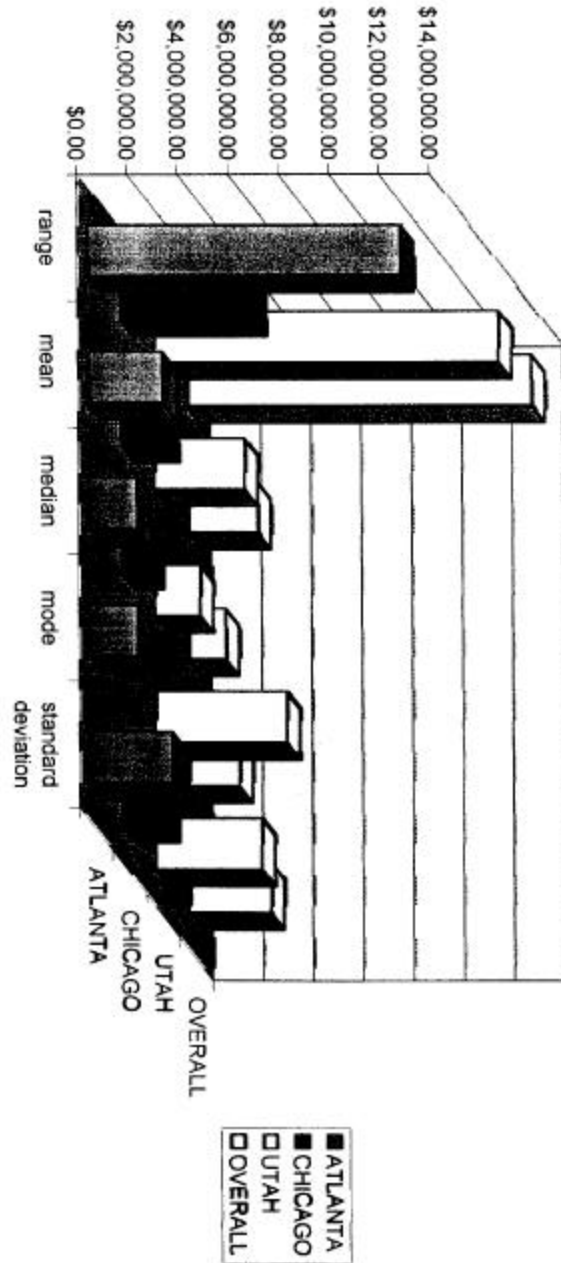
**Anchor #: JC2-066**

**Mathematics Assessment Activity#12: Jumping To Conclusions**

JC2-066

			Chicago	Star
range	\$12,785,073.00	\$5,280,000.00	\$13,968,294.00	\$13,980,000.00
mean	\$2,598,188.35	\$1,126,348.67	\$3,146,776.63	\$2,132,456.07
median	\$1,625,000.00	\$555,000.00	\$1,245,360.00	\$930,720.00
mode	\$1,925,000.00	\$510,000.00	\$5,200,000.00	\$510,000.00
standard deviation	\$3,086,406.63	\$1,496,639.99	\$4,058,213.14	\$2,974,331.62
difference between	\$488,218.27	\$370,291.32	\$911,436.51	\$841,875.55
total	\$27,032,368.00			
range	\$5,280,000.00			
mean	\$1,126,348.67			
median	\$555,000.00			
mode	\$510,000.00			
standard deviation	\$1,496,639.99			
Will Perdue	5,300,000	total		
Hersey Hawkins	4,164,169	range		
John Starks	4,000,000	mean		
Elton Brand	3,375,960	median		
Dickey Simpkins	1,500,000	mode		
Randy Brown	1,250,000	standard deviation		
Chris Ansley	1,113,720			
Ron Artest	1,079,760			
Fred Hoiberg	600,000			
Keith Booth ... [released 11]	776,880			
Corey Benjamin	696,000			
Matt Maloney	600,000			
B.J. Armstrong ... [minimum]	510,000			
Bruce Bowen [released 2]	510,000			
James Cotton ... [released 1]	460,000			
Michael Ruffin	401,675			
Kornel David ... [released 1]	175,882			
Dedric Wilfoughby ... [release	134,566			
Lari Ketner ... [released 12-9	92,338			
Rusty LaRue ... [released 1]	40,588			
Khalid Reeves ... [released	30,309			
Chris Carr	30,000			
Macco Boston ... [released	20,000			
Brett Robisch ... [released	20,000			
Karl Malone	14,000,000	total		
John Stockton	11,000,000	range		
Jeff Hornacek	5,200,000	mean		
Greg Ostertag	5,200,000	median		
Bryon Russell	4,000,000	mode		
Adam Keefe	3,000,000	standard deviation		
Dikson Polynice	2,000,000			
Howard Eisley	1,500,000			
Quincy Lewis	930,720			
Jacque Vaughn	751,800			
Scott Padgett	679,900			
Thad Bailey ... [completed]	510,000			
Pete Chilcutt [released 11]	510,000			
Andre Kirilenko ... [1999 1st r	632,400			
Armon Gilliam ... [minimum]	312,000			
Bakari Henderson ... [release	31,800			

5A



64



## Mathematics Assessment Activity #12: Jumping to Conclusions

### Anchor Paper: #JC2-002

#### Criterion: Concepts and Problem Solving

Level: 3

The response mentions that the teams were randomly selected, each measure of central tendency is used to evaluate the claim, and the response includes an analysis of the percentage of players above average is appropriate (“... only 29% make above average”) to refute the claim that “most basketball players earn \$3,241,895.” This is a level 3, not a 4, because there is some faulty reasoning. “Nuggets came close because they have one less player than...” and the mode is incorrectly identified for the Nuggets.

#### Criterion: Representation - Tables, graphs, models, or diagrams

Level: 3

This is a level 3 response because the data is organized into a table with accurate labels. Although there is no title to the table, the table is referenced in the text directly below the table.

#### Criterion: Calculation

Level: 2

This is a level 3 response because the means, medians and range for all teams are calculated accurately. This is a 3, not a 4, because there is a flaw in calculating the percent of teams above the average. It is accurate that 29% of the Cavalier players have salaries above the average, but it is not correct that there are 29% of the other two teams above the mean (37% of the Nuggets and 31% of the Hornets are above average).

#### Criterion: Communication

Level: 3

This is a level 3 response because mathematical vocabulary (mean, median, mode, range) are accurately and appropriately used and conventions do not get in the way of understanding the solution.

**Mathematics Assessment Activity # 12: Jumping to Conclusions**  
**Anchor #: JC2-002**

JC2-002

I randomly chose my teams. I tried to get a variety of statistics, so I could accurately support my claim that this claim is invalid.

Team	Mean	Median	Mode	Range
Hornets	2902597.25	1700000	1200000	773031
Calvaliers	2929247.579	2200000	2700000	9813031
Nuggets	3238388.75	2300000	2200000	10290000

Looking at the mean, or average of the table above, it obviously supports the claim that the average salary for an NBA player was \$3,241,895. Not one of these three teams met that average, and the only reason the Nuggets came close is because they have one less player on the team than the Hornets or the Calvaliers.

The median showed that all three teams fell below the average. The lowest paid team, the Hornets, have only five people on their team that meet that average.

The mode fell below the average also. This supports my claim, but I do not agree that the mode is accurate in finding the average. This is because there is such a wide range of salaries.

The range tells us that there must be some very high paid players, and some very low paid players. This also is not valid in finding the average player salary.

It finally comes down to the fact that my statistics show, the average salary for an NBA player of \$3,241,895 is not 4

**Concepts and Problem Solving:**  
Teams randomly selected.

**Representation:**  
Data organized in a table and referenced in text.

**Problem Solving and Concepts:**  
There are 2 modes for the Nuggets not 1.

**Problem Solving and Concepts:**  
Faulty reasoning.

**Problem Solving and Concepts:**  
Accurate interpretation of the meaning of the median, mode, and range.

**Mathematics Assessment Activity # 12: Jumping to Conclusions**  
**Anchor #: JC2-002**

**Problem Solving and Concepts:** Conducted an additional analysis to evaluate the claim and then to refute the claim that most NBA basketball players do not earn \$3,241,895.

accurate.

My calculations show that the Cavaliers only have 29% of player that make \$3,241,895, and the Nuggets and Hornets only have 29% also. That is a very low percent for all three teams. If that is the average, there should be a much higher percent for atleast one of the teams.

In conclusion I refute the claim that most NBA players earn \$3,241,895 in the year 2000. All of my different calculations have proven that that claim is invalid.

**Calculation:**  
37% of the Nuggets and 31% of the Hornets have salaries greater than the average.

**Mathematics Assessment Activity #12: Jumping to Conclusions**  
**Anchor #: JC2-002**

**Calculation:** The mean is calculated on the total provided, not the sum of the salaries.

JC2-002

Denver Nuggets	Total: \$51,814,220
Antonio McDyess	\$10,800,000
Nick Van Exel	\$9,300,000
Tarik Abdul-Wahed	\$4,500,000
Robert Buck	\$4,320,000
Voshon Leonard	\$3,780,000
Tracy Murray	\$3,060,000
Rafael Lobrentz	\$2,970,840
Mark Strickland	\$2,400,000
Calbert Cheaney	\$2,200,000
George McClellan	\$2,200,000
Corey Alexander	\$2,180,000
Ramon Clark	\$1,379,450
James Posey	\$1,047,600
Terry Davis	\$923,500
Horacio McElroy	\$737,880
Ryan Bowen	\$510,000

Mean = \$323,388.75  
 Median = 2,300,000  
 Mode = 2,200,000  
 Range = 10,290,000

JC2-002

Charlotte Hornets	Total: \$46,441,556
Eden Campbell	\$8,050,000
Derrick Coleman	\$8,000,000
Jamir McShburn	\$6,200,000
P.J. Brown	\$5,740,000
Ricky Phillips	\$4,640,000
Narwan Davis	\$2,916,000
David Wesley	\$2,880,000
Chris Thomas	\$2,200,000
Kidriche Buchanan	\$1,200,000
Harvey Hawkins	\$1,200,000
Jamaal Magloire	\$915,000
Tim James	\$783,120
Eddie Robinson	\$600,000
Rodney Buford	\$423,500
Terrance Robinson	\$316,000
Lee Nailon	\$316,000

Mean = \$290,259.225  
 Median = 1,700,000  
 Mode = 1,200,000  
 Range = 7,733,000

JC2-002

Cleveland Cavaliers	Total: \$49,780,548
Zydrunas Ilgauskas	\$18,130,000
Wesley Person	\$5,600,000
Chris Gatling	\$5,550,000
Brevin Knight	\$4,250,000
Lamond Murray	\$3,380,000
Cedric Henderson	\$2,700,000
Bimbo Coles	\$2,250,000
Robert Traylor	\$2,203,080
Mark Bryant	\$2,200,000
J.R. Reid	\$2,200,000
Clarence Weatherspoon	\$2,100,000
Chris Mihm	\$1,923,600
Andre Miller	\$1,808,400
Matt Harpring	\$1,244,880
Trajan Langdon	\$1,500,120
Michael Hawkins	\$423,500
Gary Grant	\$316,969

Mean = \$292,267.529  
 Median = 2,200,000  
 Mode = 2,200,000  
 Range = 9,813,031

5/17  
 5/16  
 5/16

Calculation:  
 There are 2 modes, not 1.

35.6  
 71.2  
 35.6  
 106.8  
 178.3

35.6  
 71.2  
 28.8

35.6  
 71.2  
 28.8

35.6  
 71.2  
 28.8

35.6  
 71.2  
 28.8

6A



<b>Mathematics Assessment Activity # 12: Jumping to Conclusions</b>	
<b>Anchor: # JC2-008</b>	
<b>Criterion: Concepts and Problem Solving</b>	<b>Level: 2</b>
<p>Although the student uses the data to support the claim and explanations show a definitional understanding of mean, median, mode and range, this is a level 2 response because some of the interpretations of the application of the mean, median, mode (The mode was 316,969... which showed me that the average could not be over 4 million.) are inaccurate and there is a major conceptual flaw. The student uses the average of the average to make the justification.</p>	
<b>Criterion: Representation - Tables, graphs, models, or diagrams</b>	<b>Level: 3</b>
<p>This is a level 3 response because data is organized into a table with accurate labels.</p>	
<b>Criterion: Calculation</b>	<b>Level: 2</b>
<p>Although the means and range were accurately calculated, this is a level 2 response because the median was not calculated accurately for any of the teams.</p>	
<b>Criterion: Communication</b>	<b>Level: 3</b>
<p>This is a level 3 response because mathematical vocabulary (mean, median, mode, range) is accurately and appropriately used and conventions do not get in the way of understanding the solution.</p>	

**Mathematics Assessment Activity # 12: Jumping to Conclusions**

**Anchor #: JC2-008**

I chose my teams based on the wide variety of salaries, not just higher or lower pay, but both. My teams I chose had an average that was pretty close to 3,241,895, therefore in conclusion I support the claim that the average salaries for the 464 NBA players in 2000 was more than 3 million.

**Problem Solving and Concepts:** Range of salaries selected.

**Representation:** Data organized in table with columns and rows accurately labeled.

Teams	Mean	Median	Mode	Range
New Jersey Nets	4,057,505	2,200,000	316,969	13,483,031
Chicago Bulls	1,855,744	10,920	316,969	5,203,031
Orlando Magic	2,606,740	1,452,000	1,000,000	9,506,000
average:	2,839,996	1,452,000	316,969	8,280,000

**Problem Solving and Concepts:** Average of mean, median, mode and range inappropriate.

**Problem Solving and Concepts:** Definitions linked to values in tables show understanding of the terms.

The average salary for these three teams are: 2,839,996 (which) is close to 3 million.  
 The middle data value was 1,452,000  
 The most popular value was 316,969  
 The average range was 8280,000

**Problem Solving and Concepts:** Use of average of average inappropriate.

I am supporting the claim because the mean and the Median which are of the most important both average out to be close to 3 million.

**Mathematics Assessment Activity # 12: Jumping to Conclusions**

**Anchor #: JC2-008**

The average of all the players was 2,839,996 which was pretty close to 3 million. The middle data value was 1,452,000 of all the teams which means from the highest pay to lowest pay you get the middle which was close to 3 million. The mode was 316,969 which was a low pay which showed me that the average could not be over 4 million. The range was 8,280,000 which was the difference between highest value and lowest value. That showed me that different values between the players.

**Problem Solving and Concepts:** Inaccurate interpretation of the mode.

**Mathematics Assessment Activity # 12: Jumping to Conclusions**

**Anchor Paper # JC2-008**

Chicago Bulls	Total: \$29,691,904
Ron Mercer .....	\$5,520,000
Brad Miller .....	\$4,000,000
Elton Brand .....	\$3,629,160
Marcus Fizer .....	\$2,562,000
Hersey Hawkins .....	\$3,560,000
Dragen Tarlac .....	\$2,500,000
Jamal Crawford .....	\$1,762,320
Bryce Drew .....	\$1,182,600
Ron Artest .....	\$1,160,760
Fred Hoiberg .....	\$880,000
Dalibor Bagaric .....	\$795,000
Corey Benjamin .....	\$749,160
Michael Ruffin .....	\$440,000
Khalid Mi-Amin .....	\$316,969
A.J. Guyton .....	\$316,969
Jake Voskuhl .....	\$316,969

JC2-008

MEAN: 1,855,744  
 MEDIAN: 1,090,000  
 MODE: 316,969  
 RANGE: 5,203,031

New Jersey Nets	Total: \$68,977,584
Jayson Williams .....	\$13,800,000
Stephen Marbury .....	\$10,130,000
Keith Van Horn .....	\$9,000,000
Kerry Kittles .....	\$7,770,000
Mendell Gill .....	\$7,000,000
Jim McIlvaine .....	\$5,400,000
Kerion Martin .....	\$3,536,640
Aaron Williams .....	\$2,250,000
Jessie Peick .....	\$2,200,000
Lucious Harris .....	\$2,160,000
Johnny Newman .....	\$2,000,000
Shemman Douglas .....	\$1,100,000
Elliott Perry .....	\$1,050,000
Kevin Ollie .....	\$523,500
Evan Eschmeyer .....	\$423,500
Stephen Jackson .....	\$316,969
Soumaila Samake .....	\$316,969

MEAN: 4,057,505  
 MEDIAN: 2,500,000  
 MODE: 316,969  
 RANGE: 13,463,031

Orlando Magic	Total: \$36,494,360
Grant Hill .....	\$9,660,000
Tracy McGrady .....	\$9,660,000
Bo Outlaw .....	\$4,500,000
Darrell Armstrong .....	\$3,100,000
Mike Miller .....	\$2,320,080
Andrew DeClercq .....	\$1,920,000
Michael Doleac .....	\$1,452,000
Pat Garrity .....	\$1,019,280
Dee Brown .....	\$1,000,000
Monty Williams .....	\$1,000,000
Don Reid .....	\$611,000
John Amaechi .....	\$600,000
Troy Hudson .....	\$523,500
Elliot Perry .....	\$94,000

MEAN: 2,600,740  
 MEDIAN: 1,452,000  
 MODE: 1,000,000  
 RANGE: 9,566,000

<b>Mathematics Assessment Activity # 12: Jumping to Conclusions</b>	
<b>Anchor #: JC2-005</b>	
<b>Problem Solving and Concepts</b>	<b>Level: 2</b>
<p>Although the meanings of the mean, median, and range are exemplified (“median – person in the middle”, and “range shows how much more the best player makes than the worst”), <i>this is a level 2 response because</i> a mathematical rationale on how the measures support or refute the claim is not present, the use of rounded averages is inappropriate, and the use of the mean alone to support or refute the claim is inappropriate given the data. In addition, there are two modes for the Hornets.</p>	
<b>Representation</b>	<b>Level: 3</b>
<p>This is a Level 3 response because the table is organized and rows and columns accurately labeled.</p>	
<b>Calculation</b>	<b>Level: 2</b>
<p>Although the mean for the Charlotte Hornets and the Boston Celtics are accurate, this is a Level 2 response because the two medians (Charlotte and Boston) that required finding the average between the two middle numbers were not accurately determined</p>	
<b>Communication</b>	<b>Level: 3</b>
<p>This is a Level 3 response because the terms bias, mean, median, and range are used appropriately and conventions do not get in the way of understanding elements of the response.</p>	

**Mathematics Assessment Activity # 12: Jumping to Conclusions**

**Anchor #: JC2-005**

**Problem Solving and Concepts:** Teams randomly selected with a discussion about bias.

JC2-005

I randomly selected my NBA teams I believe this will give me a more accurate result than if I selected the teams by previously knowing their salaries. I'm not biased in anyway now. And from my findings, I support the claim that the average NBA star makes \$3 million.

Team	mean	median	mode	RANGE
Charlotte	2,902,597	2,100,000	3,169,169	7,733
Atlanta	2,611,475	1,200,000	611,000	14,316
Boston	2,854,928	1,200,000	3,169,169	9,513

The most important element on this graph is the mean. The numbers that all hover around 3 million dollars. According to my statistics the average player for all 3 of my teams makes about 3 million dollars.

The person on the team who is in the middle (the median) receives a lot less than 3 million though, as do people who have the same salary (mode). The range is irrelevant here it just shows how much more the best paid athlete gets than the paid athlete. For the Atlanta Hawks Jackson, Crawford + Johnson all make about 3 million. Boston Celtics Battie, McCarty + Brown all hover in the

**Representation:** Data organized in table with columns and rows accurately labeled.

**Calculation:** Median incorrect for Charlotte and Boston.

**Problem Solving and Concepts:** Use of rounded average.

**Problem Solving and Concepts:** Definition of median accurate.

**Problem Solving and Concepts:** Definition of range accurate.

**Mathematics Assessment Activity # 12: Jumping to  
Conclusions**

**Anchor Paper # JC2-005**

million range. For the Hornets  
Davis + Wesley have in there to  
You do have to take into con-  
sideration that the people I named  
also ranked in the top 8 for salary  
earnings... but for the most part  
the claim is accurate.

**Mathematics Assessment Activity # 12: Jumping to  
Conclusions**  
**Anchor Paper # JC2-005**

JC2-005

Atlanta Hawks	Total: \$39,172,128
1 Dikembe Mutombo .....	<del>\$14,400,000</del>
2 Alan Henderson .....	<del>\$5,910,000</del>
3 Lorenzen Wright .....	<del>\$4,950,000</del>
4 Jim Jackson .....	<del>\$2,330,000</del>
5 Chris Crawford .....	<del>\$2,200,000</del>
6 Dermarr Johnson .....	<del>\$2,107,200</del>
7 Jason Terry .....	<del>\$1,579,080</del>
8 Anthony Johnson .....	<del>\$1,200,000</del>
9 Cal Bowdler .....	<del>\$1,102,800</del>
10 Roshawn McLeod .....	<del>\$978,600</del>
11 Dion Glover .....	<del>\$960,480</del>
12 Larry Robinson .....	<del>\$611,000</del>
13 Matt Maloney .....	<del>\$611,000</del>
14 Hanno Mottola .....	<del>\$316,969</del>
15 Anthony Miller .....	<del>\$40,000</del>

17,000,000  
26,114,750.2  
14,360,000  
611,000

Charlotte Hornets	Total: \$46,441,556
1 Elden Campbell .....	<del>\$8,050,000</del>
2 Derrick Coleman .....	<del>\$8,000,000</del>
3 Jamal Mashburn .....	<del>\$6,200,000</del>
4 P.J. Brown .....	<del>\$5,740,000</del>
5 Bobby Phillips .....	<del>\$4,640,000</del>
6 Aaron Davis .....	<del>\$2,916,000</del>
7 David Wesley .....	<del>\$2,880,000</del>
8 Otis Thorpe .....	<del>\$2,200,000</del>
9 Aldridge Recasner .....	<del>\$1,200,000</del>
10 Harsey Hawkins .....	<del>\$1,200,000</del>
11 Jamaal Magloire .....	<del>\$975,000</del>
12 Tim James .....	<del>\$783,120</del>
13 Eddie Robinson .....	<del>\$600,000</del>
14 Rodney Buford .....	<del>\$423,500</del>
15 Terrance Roberson .....	<del>\$316,969</del>
16 Ike Nailon .....	<del>\$316,969</del>

Boston Celtics	Total: \$51,478,704
1 Antoine Walker .....	<del>\$20,130,000</del>
2 Kenny Anderson .....	<del>\$7,520,000</del>
3 Bryant Stith .....	<del>\$5,920,000</del>
4 Vitaly Potapenko .....	<del>\$4,290,000</del>
5 Eric Williams .....	<del>\$3,890,000</del>
6 Greg Minor .....	<del>\$3,240,000</del>
7 Tony Battie .....	<del>\$3,200,000</del>
8 Walter McCarty .....	<del>\$2,870,000</del>
9 Randy Brown .....	<del>\$2,250,000</del>
10 John Williams .....	<del>\$2,100,000</del>
11 Paul Pierce .....	<del>\$1,608,840</del>
12 Jerome Moiso .....	<del>\$1,461,960</del>
13 Chris Carr .....	<del>\$1,200,000</del>
14 Doug Overton .....	<del>\$548,500</del>
15 Adrian Griffin .....	<del>\$498,500</del>
16 Mark Blount .....	<del>\$316,969</del>
17 Chris Herren .....	<del>\$316,969</del>
18 Milt Palacio .....	<del>\$316,969</del>



<b>Mathematics Assessment Activity # 12: Jumping to Conclusions</b>	
<b>Anchor #: JC2-046</b>	
<b>Problem Solving and Concepts</b>	<b>Level: 1</b>
<p>Although there is a justification for the selection of each team (One team was selected because it had the lowest total, one for the highest and one in the middle), <i>this is a Level 1 response because the solution does not provide a mathematical rationale on how each measure of central tendency helps evaluate the claim and the decision to support or refute the claim is made by team, not across the three teams or using other data across all the teams.</i></p>	
<b>Representation</b>	<b>Level: 1</b>
<p>This is a Level 1 response because the mean, median, mode and range of each team are listed separately, not organized into a table.</p>	
<b>Calculation</b>	<b>Level: 3</b>
<p>This is a Level 3 response because the mean, median, mode and range are accurately calculated with the exception of the mean for the Atlanta Hawks.</p>	
<b>Communication</b>	<b>Level: 2</b>
<p>Although median is used to refute the claim based upon the Boston Celtics, <b>this is a Level 2 response because all other explanations use common terms (“...amounts are even as they lessen.”), not appropriate math vocabulary.</b></p>	

**Mathematics Assessment Activity # 12: Jumping to Conclusions**

**Anchor #: JC2-046**

Atlanta Hawks JC2-046  
mean - 2555776.6 I picked this team  
median - 1,200,000 because they had the  
mode - 611,000 lowest total. I support their  
range - 14,860,000 claim because the amounts  
Boston Celtics are even as they lessen  
mean - 2859928.167  
median - 2175000 I chose this team cause  
mode - 316,969 they have an average total  
range - 9813031 out of all the teams, I do  
Miami Heat, not support this claim cause  
mean - 4061796.056 more of the  
median - 2270000 players earn less  
mode - no mode than the  
range - 16864000 median  
I chose this team  
cause they had the largest total  
I support the claim cause the  
amount is about even as it lessens.

**Representation:**  
Data not  
organized in  
table.

**Problem Solving  
and Concepts:**

Justification for  
selecting the  
teams can help  
evaluate the  
claim - lowest  
total, highest  
total, and  
average.

**Problem  
Solving and  
Concepts:**

Claims  
supported or  
refuted by team,  
not across teams.

**Communication:** Median  
used inappropriately. Other  
explanations supported with  
common terms that are  
difficult to understand.

**2000-2001 NBA Salaries**  
**Patricia Basketball Stuff -**  
<http://www.nationwide.net/~patricia/>

Atlanta Hawks

Dikembe Mutombo .....	\$14,400,000
Alan Henderson .....	\$5,910,000
Lorenzen Wright .....	\$4,950,000
Jim Jackson .....	\$2,330,000
Chris Crawford .....	\$2,200,000
DerMarr Johnson .....	\$2,107,200
Jason Terry .....	\$1,579,080
Anthony Johnson .....	\$1,200,000
Cal Bowdler .....	\$1,102,800
Roshown McLeod .....	\$978,600
Dion Glover .....	\$960,480
Larry Robinson .....	\$611,000
Matt Maloney .....	\$611,000
Hanno Mottola .....	\$316,969
Anthony Miller .....	\$40,000 [

Boston Celtics

Antoine Walker .....	\$10,130,000
Kenny Anderson .....	\$7,520,000
Bryant Stith .....	\$5,920,000
Vitaly Potapenko .....	\$4,290,000
Eric Williams .....	\$3,890,000
Greg Minor .....	\$3,240,000 [released]
Tony Battie .....	\$3,200,000
Walter McCarty .....	\$2,670,000
Randy Brown .....	\$2,250,000
John Williams .....	\$2,100,000 [released]
Paul Pierce .....	\$1,608,840
Jerome Moiso .....	\$1,461,960
Chris Carr .....	\$1,200,000
Doug Overton .....	\$548,500 [released]
Adrian Griffin .....	\$498,500
Mark Blount .....	\$316,969
Chris Herren .....	\$316,969
Milt Palacio .....	\$316,969

Charlotte Hornets

Elden Campbell .....	\$8,050,000
Derrick Coleman .....	\$8,000,000
Jamal Mashburn .....	\$6,200,000
P.J. Brown .....	\$5,740,000
Bobby Phills .....	\$4,640,000 [deceased]
Baron Davis .....	\$2,916,000
David Wesley .....	\$2,880,000
Otis Thorpe .....	\$2,200,000
Eldridge Recasner .....	\$1,200,000
Hersey Hawkins .....	\$1,200,000

Jamaal Magloire ..... \$975,000  
 Tim James ..... \$783,120  
 Eddie Robinson ..... \$600,000  
 Rodney Buford ..... \$423,500 [released]  
 Terrance Roberson ..... \$316,969  
 Lee Nailon ..... \$316,969

Chicago Bulls

Ron Mercer ..... \$5,520,000  
 Brad Miller ..... \$4,000,000  
 Elton Brand ..... \$3,629,160  
 Marcus Fizer ..... \$2,562,000  
 Hersey Hawkins ..... \$3,560,000 [released]  
 Dragan Tarlac ..... \$2,500,000  
 Jamal Crawford ..... \$1,762,320  
 Bryce Drew ..... \$1,182,600  
 Ron Artest ..... \$1,160,760  
 Fred Hoiberg ..... \$880,000  
 Dalibor Bagaric ..... \$795,000  
 Corey Benjamin ..... \$749,160  
 Michael Ruffin ..... \$440,000  
 Khalid El-Amin ..... \$316,969  
 A.J. Guyton ..... \$316,969  
 Jake Voskuhl ..... \$316,969

Cleveland Cavaliers

Zydrunas Ilgauskas ..... \$10,130,000  
 Wesley Person ..... \$5,600,000  
 Chris Gatling ..... \$5,550,000  
 Brevin Knight ..... \$4,250,000  
 Lamond Murray ..... \$3,380,000  
 Cedric Henderson ..... \$2,700,000  
 Bimbo Coles ..... \$2,250,000  
 Robert Traylor ..... \$2,203,080  
 Mark Bryant ..... \$2,200,000 [released]  
 J.R. Reid ..... \$2,200,000  
 Clarence Weatherspoon ..... \$2,100,000  
 Chris Mihm ..... \$1,923,600  
 Andre Miller ..... \$1,808,400  
 Matt Harpring ..... \$1,244,880  
 Trajan Langdon ..... \$1,500,120  
 Michael Hawkins ..... \$423,500  
 Gary Grant ..... \$316,969 [released]

Dallas Mavericks

Michael Finley ..... \$8,400,000  
 Shawn Bradley ..... \$8,370,000  
 Christian Laettner ..... \$6,625,000  
 Steve Nash ..... \$5,500,000  
 Loy Vaught ..... \$4,812,025 [\$4,530,000 + \$282,025 trade kicker]  
 Howard Eisley ..... \$4,250,000  
 Gary Trent ..... \$2,400,000  
 Hubert Davis ..... \$2,100,000  
 Dirk Nowitzki ..... \$1,693,560  
 Terry Mills ..... \$1,400,000 [released]  
 Etan Thomas ..... \$1,388,880

Courtney Alexander ..... \$1,319,400  
 Greg Buckner ..... \$1,100,000  
 Donnell Harvey ..... \$862,560  
 Mark Bryant ..... \$829,268 [cap amount: \$460,000 (prorated)]  
 Leon Smith ..... \$483,680 [released]  
 Bill Curley ..... \$423,500 [released]  
 Eduardo Najera ..... \$316,969

Denver Nuggets

Antonio McDyess ..... \$10,800,000  
 Nick Van Exel ..... \$9,200,000  
 Tariq Abdul-Wahad ..... \$4,500,000  
 Robert Pack ..... \$4,320,000  
 Voshon Lenard ..... \$3,780,000  
 Tracy Murray ..... \$3,060,000  
 Raef LaFrentz ..... \$2,970,840  
 Mark Strickland ..... \$2,400,000  
 Calbert Cheaney ..... \$2,200,000  
 George McCloud ..... \$2,200,000  
 Cory Alexander ..... \$2,160,000 [released]  
 Keon Clark ..... \$1,379,400  
 James Posey ..... \$1,047,600  
 Terry Davis ..... \$923,500 [cap amount: \$548,500]  
 Mamadou N'diaye ..... \$737,880  
 Ryan Bowen ..... \$510,000

Detroit Pistons

Jerry Stackhouse ..... \$5,310,000  
 Ben Wallace ..... \$4,000,000  
 Dana Barros ..... \$3,700,000  
 Jud Buechler ..... \$3,260,000  
 Chucky Atkins ..... \$3,000,000  
 Jerome Williams ..... \$2,870,000  
 Mikki Moore ..... \$2,850,000  
 Joe Smith ..... \$2,250,000  
 Eric Montross ..... \$2,240,000  
 Michael Curry ..... \$2,200,000  
 John Wallace ..... \$2,200,000  
 Billy Owens ..... \$2,100,000  
 Eric Murdock ..... \$2,100,000 [released]  
 Mateen Cleaves ..... \$1,253,400  
 Ansu Sesay ..... \$508,000 [released]  
 Torraye Braggs ..... \$316,969 [released]  
 Brian Cardinal ..... \$316,969

Golden State Warriors Total:

Erick Dampier ..... \$5,610,000  
 Mookie Blaylock ..... \$4,800,000  
 Chris Mills ..... \$4,800,000  
 Bob Sura ..... \$4,390,000  
 Danny Fortson ..... \$3,950,000  
 Adonal Foyle ..... \$3,580,000  
 Adam Keefe ..... \$3,390,000  
 Antawn Jamison ..... \$2,678,400  
 Terry Cummings ..... \$2,200,000 [retired]  
 Vinny Del Negro ..... \$2,100,000

Larry Hughes ..... \$1,842,480  
 Chris Mullin ..... \$1,000,000 [cap amount: \$548,500]  
 Vontego Cummings ..... \$757,200  
 Bill Curley ..... \$611,000 [cap amount: \$548,500]  
 Chris Porter ..... \$316,969  
 Marc Jackson ..... \$316,969  
 Randy Livingston ..... \$20,000 [released]

Houston Rockets

Hakeem Olajuwon ..... \$16,700,000  
 Kelvin Cato ..... \$5,330,000  
 Walt Williams ..... \$4,250,000  
 Cuttino Mobley ..... \$3,920,000  
 Steve Francis ..... \$3,246,960  
 Don McLean ..... \$2,380,000 [released]  
 Maurice Taylor ..... \$2,250,000  
 Shandon Anderson ..... \$2,200,000  
 Carlos Rogers ..... \$2,200,000  
 Matt Bullard ..... \$2,100,000  
 Jason Collier ..... \$1,190,760  
 Matt Maloney ..... \$1,790,000 [released]  
 Kenny Thomas ..... \$885,120  
 Moochie Norris ..... \$523,500  
 Dan Langhi ..... \$316,969

Indiana Pacers

Reggie Miller ..... \$10,670,000  
 Jalen Rose ..... \$9,660,000  
 Jermaine O'Neal ..... \$5,710,000  
 Derrick McKey ..... \$5,400,000  
 Austin Croshere ..... \$5,300,000  
 Chris Mullin ..... \$3,650,000 [released]  
 Travis Best ..... \$3,500,000  
 Jonathan Bender ..... \$2,380,680  
 Sam Perkins ..... \$2,250,000  
 Zan Tabak ..... \$1,200,000  
 Joe Kleine ..... \$1,200,000 [released]  
 Terry Mills ..... \$1,000,000 [cap amount: \$548,500]  
 Jeff Foster ..... \$922,080  
 Al Harrington ..... \$797,880  
 Tyus Edney ..... \$523,500  
 Bruno Sundov ..... \$498,500  
 Lari Ketner ..... \$423,500

Los Angeles Clippers

Michael Olowokandi ..... \$3,697,440  
 Derek Strong ..... \$3,510,000  
 Darius Miles ..... \$2,841,720  
 Lamar Odom ..... \$2,628,960  
 Eric Piatkowski ..... \$2,200,000  
 Sean Rooks ..... \$2,160,000  
 Cherokee Parks ..... \$2,100,000  
 Keith Closs ..... \$1,920,000 [suspended]  
 James Robinson ..... \$1,870,000 [released]  
 Keyon Dooling ..... \$1,538,880  
 Corey Maggette ..... \$1,353,960

Quentin Richardson ..... \$1,020,960  
 Brian Skinner ..... \$901,800  
 Jeff McInnis ..... \$523,500  
 Etdrick Bohannon ..... \$523,500 [released]  
 Zendon Hamilton ..... \$316,969  
 Earl Boykins ..... \$498,500

Los Angeles Lakers

Shaquille O'Neal ..... \$19,285,715  
 Kobe Bryant ..... \$10,130,000  
 Horace Grant ..... \$6,500,000  
 Robert Horry ..... \$4,800,000  
 Rick Fox ..... \$3,400,000  
 Derek Fisher ..... \$3,380,000  
 Brian Shaw ..... \$2,250,000  
 Ron Harper ..... \$2,200,000  
 Greg Foster ..... \$1,760,000  
 Chuck Person ..... \$1,200,000 [released]  
 Tyronn Lue ..... \$865,800  
 Devean George ..... \$849,720  
 Isaiah Rider ..... \$736,000 [cap amount: \$548,500]  
 Mark Madsen ..... \$707,040  
 Mike Penberthy ..... \$316,969  
 Stanislav Medvedenko ..... \$316,969  
 Sam Jacobson ..... \$270,000 [released]

Miami Heat

Alonzo Mourning ..... \$16,880,000  
 Tim Hardaway ..... \$12,000,000  
 Eddie Jones ..... \$8,960,000  
 Brian Grant ..... \$8,900,000  
 Anthony Mason ..... \$5,550,000  
 Dan Majerle ..... \$4,050,000  
 Duane Causwell ..... \$4,000,000  
 Cedric Ceballos ..... \$3,937,500  
 Dale Ellis ..... \$2,290,000 [released]  
 A.C. Green ..... \$2,250,000  
 Anthony Carter ..... \$1,200,000  
 Ricky Davis ..... \$939,360  
 Don MacLean ..... \$798,500  
 Bruce Bowen ..... \$733,000  
 Todd Fuller ..... \$611,000 [cap amount: \$548,500]  
 Eddie House ..... \$316,969  
 Jamal Robinson ..... \$40,000 [released]  
 Rick Brunson ..... \$16,000 [released]

Milwaukee Bucks

Ray Allen ..... \$10,130,000  
 Tim Thomas ..... \$8,510,000  
 Glenn Robinson ..... \$8,120,000  
 Danny Manning ..... \$6,830,000 [released]  
 Jason Caffey ..... \$4,380,000  
 Scott Williams ..... \$4,200,000  
 Sam Cassell ..... \$4,000,000  
 Ervin Johnson ..... \$2,700,000  
 Lindsey Hunter ..... \$2,650,000

Darvin Ham ..... \$1,700,000  
 Joel Przybilla ..... \$1,619,880  
 Jerome Kersey ..... \$1,000,000 [cap amount: \$548,500]  
 Mark Pope ..... \$498,500  
 Rafer Alston ..... \$423,500  
 Maceo Baston ..... \$423,500 [released]  
 Jason Hart ..... \$316,969  
 Michael Redd ..... \$316,969

Minnesota Timberwolves Total:

Kevin Garnett ..... \$19,610,000  
 Terrell Brandon ..... \$8,330,000  
 Dean Garrett ..... \$2,880,000  
 Anthony Peeler ..... \$2,740,000  
 Sam Mitchell ..... \$2,370,000  
 Chauncey Billups ..... \$2,250,000  
 Wally Szczerbiak ..... \$2,162,280  
 William Avery ..... \$1,286,160  
 LaPhonso Ellis ..... \$1,200,000  
 Tom Hammonds ..... \$1,130,000  
 Radoslav Nesterovic ..... \$1,123,560  
 Todd Day ..... \$736,000 [cap amount: \$548,500]  
 Reggie Slater ..... \$673,500 [cap amount: \$548,500]  
 Andrae Patterson ..... \$498,500  
 Sam Jacobson ..... \$498,500

New Jersey Nets

Jayson Williams ..... \$13,800,000 [retired]  
 Stephon Marbury ..... \$10,130,000  
 Keith Van Horn ..... \$9,000,000  
 Kerry Kittles ..... \$7,770,000  
 Kendall Gill ..... \$7,000,000  
 Jim McIlvaine ..... \$5,400,000  
 Kenyon Martin ..... \$3,536,640  
 Aaron Williams ..... \$2,250,000  
 Jamie Feick ..... \$2,200,000  
 Lucious Harris ..... \$2,160,000  
 Johnny Newman ..... \$2,000,000  
 Sherman Douglas ..... \$1,100,000  
 Elliott Perry ..... \$1,050,000 [released]  
 Kevin Ollie ..... \$523,500  
 Evan Eschmeyer ..... \$423,500  
 Stephen Jackson ..... \$316,969  
 Soumalia Samake ..... \$316,969

New York Knicks

Larry Johnson ..... \$11,000,000  
 Latrell Sprewell ..... \$10,125,000  
 Allan Houston ..... \$9,000,000  
 Glen Rice ..... \$7,578,900  
 Marcus Camby ..... \$5,750,000  
 Luc Longley ..... \$5,750,000  
 Charlie Ward ..... \$5,040,000  
 Chris Childs ..... \$4,680,000  
 Kurt Thomas ..... \$3,680,000  
 Travis Knight ..... \$3,200,000



Erick Strickland ..... \$2,560,000  
 Vernon Maxwell ..... \$1,570,000 [released]  
 Mirsad Turkcan ..... \$1,069,400 [released]  
 Felton Spencer ..... \$1,000,000 [cap amount: \$548,500]  
 Rick Brunson ..... \$523,500  
 Lazero Borrell ..... \$423,500 [released]  
 Jonathan Kerner ..... \$423,500 [released]  
 Pete Mickeal ..... \$316,969  
 Lavor Postell ..... \$316,969

Orlando Magic

Grant Hill ..... \$9,660,000  
 Tracy McGrady ..... \$9,660,000  
 Bo Outlaw ..... \$4,500,000  
 Darrell Armstrong ..... \$3,100,000  
 Mike Miller ..... \$2,320,080  
 Andrew DeClercq ..... \$1,920,000  
 Michael Doleac ..... \$1,452,000  
 Pat Garrity ..... \$1,019,280  
 Dee Brown ..... \$1,000,000 [cap amount: \$548,500]  
 Monty Williams ..... \$1,000,000 [cap amount: \$548,500]  
 Don Reid ..... \$611,000 [cap amount: \$548,500]  
 John Amaechi ..... \$600,000  
 Troy Hudson ..... \$523,500  
 Elliot Perry ..... \$94,000 [released]

Philadelphia 76ers

Allen Iverson ..... \$10,130,000  
 Theo Ratliff ..... \$7,800,000  
 Matt Geiger ..... \$7,515,840  
 Tyrone Hill ..... \$7,300,000  
 Toni Kukoc ..... \$6,000,000  
 Eric Snow ..... \$3,380,000  
 George Lynch ..... \$2,200,000  
 Aaron McKie ..... \$1,818,000  
 Vernon Maxwell ..... \$1,000,000 [cap amount: \$548,500]  
 Speedy Claxton ..... \$936,000  
 Nazr Mohammed ..... \$739,080  
 Jumaine Jones ..... \$735,600  
 Jermaine Jackson ..... \$423,500 [released]  
 Todd MacCulloch ..... \$423,500  
 Ademola Okulaja ..... \$316,969  
 Pepe Sanchez ..... \$316,969  
 Mark Karcher ..... \$50,000 [released]

Phoenix Suns

Anfernee Hardaway ..... \$10,130,000  
 Tom Gugliotta ..... \$9,360,000  
 Jason Kidd ..... \$7,680,000  
 Clifford Robinson ..... \$6,890,000  
 Chris Dudley ..... \$6,200,000  
 Rex Chapman ..... \$3,500,000 [retired]  
 Tony Delk ..... \$2,250,000  
 Rodney Rogers ..... \$2,200,000  
 Shawn Marion ..... \$1,662,240  
 Corie Blount ..... \$1,320,000

Mario Elie ..... \$1,000,000 [cap amount: \$548,500]  
 Iakovos Tsakalidis ..... \$763,200  
 Ruben Garces ..... \$316,969  
 Paul McPherson ..... \$316,969  
 Daniel Santiago ..... \$316,969

Portland Trailblazers

Scottie Pippen ..... \$13,750,000  
 Rasheed Wallace ..... \$12,600,000  
 Shawn Kemp ..... \$11,720,000  
 Arvydas Sabonis ..... \$11,250,000  
 Damon Stoudamire ..... \$11,250,000  
 Steve Smith ..... \$8,100,000  
 Dale Davis ..... \$6,000,000  
 Greg Anthony ..... \$3,500,000  
 Will Perdue ..... \$2,250,000  
 Detlef Schrempf ..... \$2,200,000  
 Bonzi Wells ..... \$1,528,440  
 Gary Grant ..... \$1,000,000 [cap amount: \$548,500]  
 Stacey Augmon ..... \$923,500 [cap amount: \$548,500]  
 Erick Barkley ..... \$712,200  
 Antonio Harvey ..... \$611,000 [cap amount: \$548,500]

Sacramento Kings

Chris Webber ..... \$12,000,000  
 Vlade Divac ..... \$9,640,000  
 Scot Pollard ..... \$3,920,000  
 Nick Anderson ..... \$3,750,000  
 Doug Christie ..... \$3,140,000  
 Jon Barry ..... \$2,730,000  
 Lawrence Funderburke ..... \$2,700,000  
 Bobby Jackson ..... \$2,250,000  
 Jason Williams ..... \$2,011,080  
 Predrag Stojakovic ..... \$1,480,000  
 Hidayet Turkoglu ..... \$1,131,240  
 Darrick Martin ..... \$673,500 [cap amount: \$548,500]  
 Roy Rogers ..... \$523,500 [released]  
 Jabari Smith ..... \$316,969

San Antonio Spurs

David Robinson ..... \$14,700,000  
 Tim Duncan ..... \$9,660,000  
 Avery Johnson ..... \$8,000,000  
 Sean Elliott ..... \$5,300,000  
 Samaki Walker ..... \$2,960,000  
 Antonio Daniels ..... \$2,820,000  
 Malik Rose ..... \$2,570,000  
 Derek Anderson ..... \$2,250,000  
 Terry Porter ..... \$2,200,000  
 Steve Kerr ..... \$2,200,000  
 Jaren Jackson ..... \$1,750,000  
 Danny Ferry ..... \$1,200,000  
 Shawnelle Scott ..... \$548,500  
 Derrick Dial ..... \$423,500  
 Ira Newble ..... \$316,969  
 Chris Carrawell ..... \$316,969 [released]

#### Seattle Sonics

Patrick Ewing .....	\$14,000,000
Gary Payton .....	\$12,200,000
Vin Baker .....	\$10,130,000
Brent Barry .....	\$4,320,000
Rashard Lewis .....	\$3,920,000
Jelani McCoy .....	\$1,110,000
Desmond Mason .....	\$1,074,720
Pervis Ellison .....	\$1,000,000 [cap amount: \$548,500]
David Wingate .....	\$1,000,000 [cap amount: \$548,500]
Ruben Patterson .....	\$990,000
Emanuel Davis .....	\$610,000
Shammond Williams .....	\$550,000
Olumide Oyedeji .....	\$316,969
Ruben Wolkowyski .....	\$316,969

#### Toronto Raptors

Charles Oakley .....	\$5,760,000
Antonio Davis .....	\$5,500,000
Corliss Williamson .....	\$3,940,000
Mark Jackson .....	\$3,570,000
Michael Stewart .....	\$3,520,000
Kevin Willis .....	\$2,870,000
Vince Carter .....	\$2,425,440
Alvin Williams .....	\$2,100,000
Dell Curry .....	\$2,000,000
Muggsy Bogues .....	\$1,740,000
Alek Radojevic .....	\$1,425,120
Tyrone Corbin .....	\$1,000,000 [cap amount: \$548,500]
Morris Peterson .....	\$898,560
Vladimir Stepania .....	\$749,160 [released]
Kornel David .....	\$498,500
Garth Joseph .....	\$316,969

#### Utah Jazz

Karl Malone .....	\$15,750,000
John Stockton .....	\$11,000,000
Donyell Marshall .....	\$5,630,000
Greg Ostertag .....	\$5,200,000
Bryon Russell .....	\$4,570,000
John Starks .....	\$2,250,000
Olden Polynice .....	\$2,200,000
Jacque Vaughn .....	\$1,500,000
Danny Manning .....	\$1,200,000
Quincy Lewis .....	\$1,000,440
DeShawn Stevenson .....	\$828,120
John Crotty .....	\$800,000
David Benoit .....	\$736,000 [cap amount: \$548,500]
Scott Padgett .....	\$730,800
Bruno Sundov .....	\$498,500 [released]

#### Vancouver Grizzlies

Shareef Abdur-Rahim .....	\$10,130,000
Bryant Reeves .....	\$10,110,000
Isaac Austin .....	\$5,500,000

Doug West .....	\$3,680,000
Mike Bibby .....	\$3,308,160
Stromile Swift .....	\$3,164,280
Brent Price .....	\$2,880,000
Othella Harrington .....	\$2,250,000
Grant Long .....	\$2,200,000
Tony Massenburg .....	\$1,360,000
Michael Dickerson .....	\$1,310,400
Kevin Edwards .....	\$1,000,000 [cap amount: \$548,500]
Mahmoud Abdul-Rauf .....	\$798,500 [cap amount: \$548,500]
Damon Jones .....	\$710,000
William Cunningham .....	\$498,500

Washington Wizards

Juwan Howard .....	\$16,875,000
Mitch Richmond .....	\$10,000,000
Rod Strickland .....	\$10,000,000
Jahidi White .....	\$3,922,000
Tyrone Nesby .....	\$2,990,000
Popeye Jones .....	\$2,812,500
Chris Whitney .....	\$2,370,000
Michael Smith .....	\$2,200,000
Richard Hamilton .....	\$1,973,880
Lorenzo Williams .....	\$1,750,000 [released]
Dennis Scott .....	\$1,200,000 [released]
Felipe Lopez .....	\$831,120
Laron Profit .....	\$508,000
Gerard King .....	\$489,500
Calvin Booth .....	\$423,500
Obinna Ekezie .....	\$423,500
Mike Smith .....	\$316,969