

# MasterMath

Household Survey Employment Seasonally for Population Controls, Seasonally Adjusted,  
January 1990-December 2008

Year	January	February	March	April	May	June	July	August	September	October	November	December
1990	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1991	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1992	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1993	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1994	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1995	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1996	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1997	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1998	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
1999	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2001	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2002	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2003	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2004	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2005	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2006	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2007	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000
2008	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000

NOTE: This series is fully seasonally adjusted CPR... of population control series introduced in January 2000... 2008 to smooth out that effect.

Source: Bureau of Labor Statistics, February 6, 2009

## Statistics

# STEM-AND-LEAF PLOTS

---

---

---

---

---

---

---

---

---

---

---

---

# STEM-AND-LEAF PLOTS

Student	Test 1	Student	Test 1
1	68%	12	64%
2	86%	9	64%
3	75%	5	64%
4	92%	1	68%
5	64%	11	68%
6	79%	17	69%
7	81%	8	73%
8	73%	18	73%
9	62%	3	75%
10	95%	16	77%
11	68%	19	78%
12	46%	6	79%
13	87%	14	79%
14	79%	7	81%
15	92%	20	81%
16	77%	2	86%
17	69%	13	87%
18	73%	4	92%
19	78%	15	92%
20	81%	10	95%

Stem	Leaf 1
4	6
5	
6	2, 4, 8, 8, 9
7	3, 3, 5, 7, 8, 9, 9
8	1, 1, 6, 7
9	2, 2, 5

Stem	Leaf 2
4	
5	
6	1, 9
7	3, 3, 4, 5, 8, 9, 9
8	2, 3, 4, 4, 6, 6, 8, 9
9	1, 2, 2

---

---

---

---

---

---

---

---

---

---

---

---

# STEM-AND-LEAF PLOTS

**Mean: 76%**  
**Median: 77.5%**

What do we see:

- Most scores in 70's
- Only 1 score below 60
- 7 scores above 80
- There is an outlier

Stem	Leaf 1
4	6
5	
6	2, 4, 8, 8, 9
7	3, 3, 5, 7, 8, 9, 9
8	1, 1, 6, 7
9	2, 2, 5

Stem	Leaf 2
4	
5	
6	1, 9
7	3, 3, 4, 5, 8, 9, 9
8	2, 3, 4, 4, 6, 6, 8, 9
9	1, 2, 2

**Mean: 81%**  
**Median: 82.5%**

What do we see:

- Most scores in 80's
- No scores below 60
- 11 scores above 80
- Scores are higher than Test 1 scores

---

---

---

---

---

---

---

---

---

---

---

---

**STEM-AND-LEAF PLOTS**

Student	Height in Inches
A	53
B	53
C	54
D	55
E	58
F	59
G	60
H	62
I	63
J	69
K	70

create a Stem and Leaf Plot for this data

You Try

---

---

---

---

---

---

---

---

---

---

**STEM-AND-LEAF PLOTS**

Student	Height in Inches
A	53
B	53
C	54
D	55
E	58
F	59
G	60
H	62
I	63
J	69
K	70

Stem	Leaf
5	3, 3, 4, 5, 8, 9
6	0, 2, 3, 9
7	0

create a Stem and Leaf Plot for this data

You Try

---

---

---

---

---

---

---

---

---

---

**STEM-AND-LEAF PLOTS**

Attendance		
21	12	31
16	23	28
25	19	27
32	26	21
27	20	19

Make a Stem and Leaf Plot of this data

You Try It!

---

---

---

---

---


---

---

---

---

---

STEM-AND-LEAF PLOTS 


Make a Stem and Leaf Plot of this data

Attendance		
21	12	31
16	23	28
25	19	27
32	26	21
27	20	19

Stem	Leaf
1	2, 6, 9, 9
2	0, 1, 1, 3, 5, 6, 7, 7, 8
3	1, 2

Based on this Plot, answer these questions

- What were the least and greatest attendance?
- How many times did less than 20 attend?
- What was an "average" attendance?

You Try 

---

---

---

---

---


---

---

---

---


---

STEM-AND-LEAF PLOTS 

Stem	Leaf
1	2, 6, 9, 9
2	0, 1, 1, 3, 5, 6, 7, 7, 8
3	1, 2

Based on this Plot, answer these questions

- What were the least and greatest attendance?  
**12, 32**
- How many times did less than 20 attend?  
**4**
- What was an "average" attendance?  
**~24**

You Try 

---

---

---

---

---

---

---


---

---

---

STEM-AND-LEAF PLOTS

Now, try it on your own. Go to [www.MasterMath.info](http://www.MasterMath.info) download [Stem-And-Leaf Plots](#) from the Worksheets Page, and test your skill. Then see how much you understand by taking the Subject Quiz



---

---

---

---

---

---

---

---

---

---