

## THE BIGGEST LOSER HANDOUT

Six teachers participated in a Biggest Loser contest at their school. Every other week for 10 weeks, the “contestants” recorded their weights. They then met to decide who had won the contest but couldn’t agree on a measure to use for their weight loss progress. They also could not agree about whether they should look at the progress on a weekly basis or look at the total result over the 10-week period.

Name	Goal weight	Initial weight	After 2 weeks	After 4 weeks	After 6 weeks	After 8 weeks	After 10 weeks
Mr. Alvarez	150.0	168.9	165.3	161.6	158.7	154.7	150.7
Mrs. Carlucci	130.0	142.3	139.8	137.5	134.4	132.5	130.6
Mr. Espinoza	140.0	156.1	153.0	150.3	147.1	145.1	142.0
Ms. Fayed	145.0	163.2	159.7	156.4	153.1	151.0	146.6
Mr. Gaffoor	135.0	148.8	145.3	143.1	139.1	135.1	131.1
Mrs. Sharma	125.0	134.7	132.4	129.8	128.1	125.1	122.1

Using the data in the chart above, work with a partner to determine who would win using each of the six methods of measuring progress listed below. Be sure to write the formula you will be using for each method, and that the formula matches the description given for each method.

### METHOD 1: Weekly pounds lost

Formula: \_\_\_\_\_

Name	After 2 weeks	After 4 weeks	After 6 weeks	After 8 weeks	After 10 weeks
Mr. Alvarez					
Mrs. Carlucci					
Mr. Espinoza					
Ms. Fayed					
Mr. Gaffoor					
Mrs. Sharma					
Eliminated:					

Who would win the contest if weight loss is measured using this method?

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### METHOD 2: Weekly Percent of Body Weight Lost

Formula: \_\_\_\_\_

Name	After 2 weeks	After 4 week	After 6 weeks	After 8 weeks	After 10 weeks
Mr. Alvarez					
Mrs. Carlucci					
Mr. Espinoza					
Ms. Fayed					
Mr. Gaffoor					
Mrs. Sharma					
Eliminated:					

Who would win the contest if weight loss is measured using this method?

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### METHOD 3: Weekly Percent of Goal Obtained

Formula: \_\_\_\_\_

Name	After 2 weeks	After 4 week	After 6 weeks	After 8 weeks	After 10 weeks
Mr. Alvarez					
Mrs. Carlucci					
Mr. Espinoza					
Ms. Fayed					
Mr. Gaffoor					
Mrs. Sharma					
Eliminated:					

Who would win the contest if weight loss is measured using this method?

**METHOD 4:**  
**Total Pounds Lost in 10 Weeks**

Formula: \_\_\_\_\_

Name	After 10 weeks
Mr. Alvarez	
Mrs. Carlucci	
Mr. Espinoza	
Ms. Fayed	
Mr. Gaffoor	
Mrs. Sharma	
Winner:	

**METHOD 5:**  
**Percent Body Weight Lost in 10 Weeks**

Formula: \_\_\_\_\_

Name	After 10 weeks
Mr. Alvarez	
Mrs. Carlucci	
Mr. Espinoza	
Ms. Fayed	
Mr. Gaffoor	
Mrs. Sharma	
Winner:	

**METHOD 6:**  
**Percent Goal Obtained in 10 Weeks**

Formula: \_\_\_\_\_

Name	After 10 weeks
Mr. Alvarez	
Mrs. Carlucci	
Mr. Espinoza	
Ms. Fayed	
Mr. Gaffoor	
Mrs. Sharma	
Winner:	

Did the different methods have the same results? Explain why or why not.

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