

The Biggest Loser & Percentages

Week 8 Contestants, 2011



- Who is *the biggest loser* this week?
- For each contestant find the percentage loss required to reach their target weight.
- Is the game of *The Biggest Loser* fair?



	Damien	Joe	Meg	Kellie	Rebecca	Sarah	Lara	Leigh	Sharlene
Starting Weight:	234.4 kg	139.8 kg	137.0 kg	127.7 kg	115.2 kg	150.5 kg	107.1 kg	130.1 kg	113.3 kg
Target Weight:	100.0 kg	75.0 kg	70.0 kg	69.0 kg	70.0 kg	74.0 kg	65.0 kg	85.0 kg	75.0 kg
Week 7 Weight:	173.6 kg	104.6 kg	101.6 kg	99.7 kg	90.0 kg	119.5 kg	75.1 kg	91.8 kg	86.1 kg
Week 8 Weight:	169.6 kg	101.9 kg	95.7 kg	97.0 kg	88.3 kg	118.0 kg	73.4 kg	89.3 kg	82.2 kg

Task

Use Microsoft Excel to enter the contestant data and determine:

- Who is the biggest loser for this week?
- What is each contestants target percentage loss?

Your Excel worksheet might look like this:

Columns F to I use formulae.

	A	B	C	D	E	F	G	H	I
1	The Biggest Loser								
2	Contestant	Starting Weight	Target Weight	Week 7 Weight	Week 8 Weight	Week 8 Weight Loss	Week 8 Percentage Loss	Target Weight Loss	Target Percentage Loss
3	Damien	234.4	100	173.6	169.6	4	2.30%	134.4	57%
4									

Tip: Enter the number without units.

Reflection

Consider the results of your calculations of *Target Percentage Loss*. Is the game of *The Biggest Loser* fair? Explain.

Solutions

Contestant	Starting Weight	Target Weight	Week 7 Weight	Week 8 Weight	Week 8 Weight Loss	Week 8 Percentage Loss	Target Weight Loss	Target Percentage Loss
Damien	234.4	100	173.6	169.6	4	2.30%	134.4	57%
Joe	139.8	75.0	104.6	101.9	2.7	2.58%	64.8	46%
Meg	137.0	70.0	101.6	95.7	5.9	5.81%	67	49%
Kellie	127.7	69.0	99.7	97.0	2.7	2.71%	58.7	46%
Rebecca	115.2	70.0	90.0	88.3	1.7	1.89%	45.2	39%
Sarah	150.5	74.0	119.5	118.0	1.5	1.26%	76.5	51%
Lara	107.1	65.0	75.1	73.4	1.7	2.26%	42.1	39%
Leigh	130.1	85.0	91.8	89.3	2.5	2.72%	45.1	35%
Sharlene	113.3	75.0	86.1	82.2	3.9	4.53%	38.3	34%

Meg is *The Biggest Loser*

Images and Logo from The Biggest Loser web-site: <http://thebiggestloser.com.au/>. Contestant Data from Wikipedia: http://en.wikipedia.org/wiki/The_Biggest_Loser_Australia:_Families_-_Weigh-Ins.



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