Metabolic Rate Calculations

Harris - Benedict

	Imperial	
М	BMR = 6.23 x Wt (lbs) + 12.7 x Ht (in) - 6.76 x Age (yrs) + 66	
W	BMR = 4.35 x Wt (lbs) + 4.7 x Ht (in) - 4.7 x Age (yrs) + 655	
	Metric	
М	BMR = 13.75 x Wt (kg) + 5 x Ht (cm) - 6.76 x Age (yrs) + 66	
W	BMR = 9.56 x Wt (kg) + 1.85 x Ht (cm) - 4.68 x Age (yrs) + 655	

<u> Harris - Benedict Exercise Principle</u>

Little to no exercise	Daily calories needed= BMR x 1.2
Light exercise (1-3 days per week)	Daily calories needed= BMR x 1.375
Moderate exercise (3-5 days per week)	Daily calories needed= BMR x 1.55
Heavy exercise (6-7 days per week)	Daily calories needed= BMR x 1.725
Very heavy exercise (twice per day, extra heavy workouts)	Daily calories needed= BMR x 1.9

<u>Mifflin – St. Joer</u>

	Metric	
М	REE = 10 x Wt (kg) + 6.25 x Ht (cm) - 5 x Age (yrs) + 5	
W	REE = 10 x Wt (kg) + 6.25 x Ht (cm) - 5 x Age (yrs) -161	