Activity 2
Getting Down to Basics

Answers to Instructions: Part A

1. *point 1* = (32, 0) *point 2* = (212,100)
2. $m = \frac{5}{9}$
3. $b = \frac{-160}{9}$
4. $y = \frac{5}{9}x - \frac{160}{9}$
5. $C = 5\frac{(F - 32)}{9}$

Answers to Instructions: Part B

2. $\frac{(f - h)}{(e - g)}$
3. $\frac{(e * h - f * g)}{(e - g)}$
4. $y = \frac{(f - h)}{(e - g)} * x + \frac{(e * h - f * g)}{(e - g)}$

Answers to Questions

1. $M = \frac{31}{50}K$; 158.1 miles
2. $\frac{28}{9x} + \frac{692}{9}$; If the linear model was correct, Billy would lift over 1200 lbs. after training 1 year.
3. Brenda glanced at the speedometer and noticed two scales: miles and kilometers. Using (0, 0) and 50, 80), $M = \frac{8}{5}K$
4. $C = \frac{49}{2}G + 480$;
   $480 for no additional guests; $22.50 for each additional guest.

