Mobile Math Worksheet

1. Assuming a balanced mobile, find the appropriate weights for the mobile parts below, so that the total weight equals the amount given.

   Example:
   If the total weight equals 9 grams, each block must weigh 4.5 grams.
   \[ 9 \div 2 = 4.5 \quad \text{OR} \quad 4.5 + 4.5 = 9 \]

   A. If the total weight = 1237 grams:
   D. If the total weight = 368.23 grams:

   B. If the total weight = 3529 grams:
   E. If the total weight = 45.36 grams:

   C. If the total weight = 629 grams:
   F. If the total weight = 2158.3 grams:

2. Assuming a balanced mobile, find the appropriate weights for the mobile parts below, so that the total weight equals the amount given.

   Example:
   If the total weight equals 9 grams, each block must weigh 2.25 grams.
   \[ 9 \div 4 = 2.25 \quad \text{OR} \quad 2.25 + 2.25 + 2.25 + 2.25 = 9 \]

   A. If the total weight = 136.78 grams
   D. If the total weight = 29.84 grams

   B. If the total weight = 965.12 grams
   E. If the total weight = 278.6 grams

   C. If the total weight = 716.92 grams
   F. If the total weight = 65.72 grams