## LIKE QUANTITIES

1.What is the meaning of the result of the division problem $35 \div 5$ ?

The number of times 5 can be subtracted from 35.
2.Which is the correct representation of the problem above: $\qquad$ $35 / 5$ or $\qquad$ 5/35?
3. If the number of $M \& M^{\prime} s^{\oplus}$ in a fun size bag is $F$ and the number of $M \& M^{\prime} s$ in a king size bag is $K$, how many fun size bags could be filled using the contents of one king size bag? Answer in the form of a ratio.

## K/F

4.Suppose you have any two like quantities, $A$ and $B$. What is the meaning of the ratio $A / B$ ?

The number of times $B$ can be subtracted from $A$.
5. If there are 20 students for every teacher at school,
a. which is the correct equation relating the number of students $[S]$ to the number of teachers $[T]$ ?
__ $20 S=T$
__ $20 T=S$
b. Which equations below are also correct expressions relating the number of teachers and the number of students
_ $S / 20=T \quad$ __ $T / 20=S \quad$ _ $20 / S=T \quad$ __ $20 / T=S \quad$ _ $S / T=20 \quad$ __ $T / S=20$

## UNLIKE QUANTITIES

6. A $253 \mathrm{~cm}^{3}$ sample of a solution has a mass of 736 g .
a. What is the meaning of $736 / 253$ in this context?

The number of grams in each cubic centimeter of solution.
b. What is the meaning of $253 / 736$ in this context?

The number of cubic centimeters occupied by each gram of the solution.
7.Suppose you have any two unlike quantities, $A$ and $B$.What is the meaning of the ratio $A / B$ ?

The number of units of $A$ for each unit of $B$.
8. Suppose the calculation $63 / 18$ told me how many cents I had to pay for each ounce of vegetables in a can. a. What is the price of the can of vegetables?

63 cents
b. How many ounces are there in the can?

18
c. What is the meaning of $18 / 63$ in this context?

The number of ounces of vegetables purchased by each cent of money paid.

