## WS 1.0 Math Skills Update

1. You have 20 beads; 6 of them are red. What is the percentage of red beads?

Ans $\qquad$
2. A 150 gram sample of chicken soup is $2.5 \%$ chicken. How many grams of chicken are in the sample?
3. Convert the following into scientific notation:

Ans $\qquad$
a. $1500=$ $\qquad$
b. $123=$ $\qquad$
c. $0.001012=$ $\qquad$
d. $1.52=$ $\qquad$
4. Convert the following into decimal notation (ordinary notation):
a. $4.59 \times 10^{3}=$ $\qquad$
b. $5 \times 10^{2}=$ $\qquad$
c. $280 \times 10^{-4}=$ $\qquad$
d. $-1.4 \times 10^{5}=$ $\qquad$
5. Solve the following equation: $4 x-2=30$

$$
X=
$$

6. Given that $P V=n R T$, solve (rearrange) the equation for $T$.

$$
\mathrm{T}=
$$

$\qquad$
7. Given the equation: $\frac{c}{3 a}=4 b \quad a=7, b=2$, solve for $c$.

$$
C=
$$

8. Given the equation:

$$
\frac{\mathrm{a}}{\mathrm{~b}}=\frac{\mathrm{c}}{\mathrm{~d}} \quad \text { solve for } \mathrm{d}
$$

$$
d=
$$

$\qquad$
ANS (IRO): - $140000, \quad 0.028, \quad 1.012 \times 10^{-3}, \quad 1.52 \times 10^{0}, \quad 3.75, \quad 8, \quad 30, \quad 1.23 \times 10^{2}, \quad 168, \quad 500, \quad 1.5 \times 10^{3}, \quad 4590$

