$\qquad$
$\qquad$
Ratios
A ratio is a Comparison of $\qquad$ two quantities by $\qquad$ division A ratio, such as the ratio of Squirtles to Pikachus, can be written in three ways:


As with fractions, ratios are often expressed in $\qquad$
$\qquad$ .

Example \#1: Write the ratio in simplest form that compares the number of Squirtles to Pikachus. Then, explain its meaning.


Squirtle for every
3 Pikachus

Now you try! Write the ratio of PokeBalls to potions in simplest form. Then, explain its meaning.


Example 2. Several students named their favorite flavor of gum. Write the ratio that compares the number who chose fruit to the total number of students.

$$
\text { Total }=9+8+3+1=21
$$

| Favorite Flavor of Gum |  |
| :--- | :---: |
| Flavor | Number of <br> Responses |
| Peppermint: | 9 |
| Cinnamon | 8 |
| Fruit | 3 |
| Spearmint | 1 |

$$
\frac{\text { Fut }}{\text { Total }}=\frac{3: 3}{21: 3}=\frac{1}{7}
$$

1 out of every 7 students chose fruit.

3. Monday's yogurt sales are recorded in the table. Write the ratio that compares the sales of strawberry yogurt to the total sales. Then explain its meaning.
Strawberry:
Total: $3+6+7+8$, or 24

| Flawor | Number Sold |
| :--- | :---: |
| Peach | 3 |
| Blueberry | 6 |
| Vanilla | 7 |
| Strawberry | 8 |

$\rightarrow \frac{8}{24} \div \frac{8}{8}=\frac{1}{3}$ or $\square$ 1 to

So, $\square$ out of every $\square$ yogurt cups sold were strawberry.

Got It? Do this problem to find out. $\qquad$
b. A pet store sold the animals listed in the table in one week. Write the ratio of cats to pets sold that week. Then explain its meaning.
32 pets $\frac{8 \div 8}{32 \div 8}=\frac{1}{4}$

Of every
b. $\qquad$

