Welcome

to

Let's Get Wild!

Activity #1

How Many Bears Can Live In This Forest?

1. Read the "Black Bear Biology" Information

2. Envelopes

3. Outside!

Pieces of "Food"

Orange – Nuts

Dark Blue – Berries

Yellow – Insects

Red – Meat

Green – Plants

Light Blue – Water

1. Add up the total number of pounds of food you gathered.

2. Write the total weight on your envelope.

Blind: 46 lbs

Injured: 36 lbs

Mother: 18 lbs

All Other Bears: 56 lbs 20 lbs 40 lbs 28 lbs

36 lbs 56 lbs 22 lbs

44 lbs 38 lbs 30 lbs

A bear needs 80 lbs of food to survive!

Did anyone survive?

Did the mother bear get twice the amount she needed?

What will happen to her cubs? Do you think she would feed her cubs or feed herself?

Did anyone not get water?

3. Record how many pounds of each of the five categories of food you gathered.

4. Convert those into percentages of the total poundage of food you gathered.

$$\frac{\text{amount for cat.}}{\text{total amount}}$$

.333 .25 25%

Black Bear Diet for a 10-Day Period

Nuts	20 pounds	25%
Berries and Fruit	20 pounds	25%
Insects	12 pounds	15%
Meats	8 pounds	10%
Plants	20 pounds	25%
Total	80 pounds	100%

Were any of the surviving bears healthy bears?

5. Find the class total for all the pounds of food you gathered.

470 lbs

6. Divide the total by the 80 pounds needed for an individual bear to survive a 10-day period.

5 bears

How many bears could the habitat support?

What is a "limiting factor"?