

AnimalWatch Vi Suite:
Unit Topics

Module 1

Polar Bear

- Add and subtract integers
Sample computation: $1213 + 897 = 2110$
- Add and subtract positive and negative integers
Sample computation: $623 + (-64) = 559$

Black Rhino

- Multiply and divide (basic)
Sample computations: $3 \times 6 = 18$; $60 \div 3 = 20$
- Multiply and divide (challenge)
Sample computations: $18 \times 32 = 576$; $232 \div 4 = 58$

California Condor

- Averages (mean, median, mode)
Sample computation: average of data set $[2, 3, 2, 4, 3] = 2.8$
- Averages and range
Sample computation: range of data set $[2, 3, 2, 4, 3]$ is 2 to 4

Sea Turtle

- Form a fraction
Sample computation: One part of four equal parts is $1/4$
- Solve problems using a fraction
Sample computation: Divide 12 into four parts; each part includes 3

Module 2

Poison Frog

- Add and subtract fractions with like denominators
Sample computation: $7/8 - 3/8 = 1/2$
- Add and subtract like fractions and mixed numbers
Sample computation: $2 \frac{2}{5} - 1/5 = 1 \frac{4}{5}$

Burmese Python

- Convert units of measurement (basic)
Sample computation: $27 \text{ feet} = 9 \text{ yards}$
- Convert units of measurement (challenge)
Sample computation: $403 \text{ pounds} = 6448 \text{ ounces}$

Cheetah

- Convert fractions and percentages
Sample computation: $5\% \text{ of } 300 = 15$
- Solve problems about distance, speed and time
Sample computation: $750 \div 50 = 15$

Hippo

- One-variable equations (basic)
Sample computation: If $4x = 80$, $x = 20$
- One-variable equations (challenge)
Sample computation: If $10 + 5 + x = 80$; $x = 65$

Module 3

Snow Leopard

- Add and subtract fractions with unlike denominators
Sample computation: $2/35 + 2/70 = 3/35$
- Add and subtract unlike fractions and mixed numbers
Sample computation: $3 \frac{1}{8} - 2 \frac{1}{3} = 19/24$

White Shark

- Multiply and divide fractions (basic)
Sample computation: $11 \times 2/5 = 4 \frac{2}{5}$
- Multiply and divide fractions (challenge)
Sample computation: $6 \frac{1}{3} \div 1/3 = 19$

Honeybee

- Probability (basic)
Sample computation: Probability of 1 in 4 = 0.25
- Probability (challenge)
Sample computation: Probability of 2 out of 200 = 0.01

Gray Wolf

- Geometry: Shapes and angles (basic)
Sample computation: Value of a right angle is 90°
- Geometry (challenge)
Sample computation: $\frac{1}{2}(\text{base} = 13 \times \text{height} = 4) = 26$ (area of right triangle)