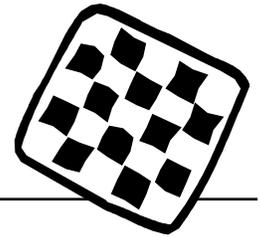


Dr. Vet: Noses, Ears, Legs and Eyes



Check on the animals in your care and figure out how many body parts you have to examine.

What you need

A variety of stuffed animals

Pencil and Paper

Data Sheet

Optional: Vet props (Lab coat, stethoscope, flashlight, clipboard)

What to do

1. Pretend you are a veterinarian. Part of your job is to make sure the animals in your care are healthy.
2. You do that by inspecting their legs, eyes, ears and noses for any signs of sickness.
3. At the end of each day, you have to record how many exams you did.
4. Record how many legs, eyes, ears, and noses you examined today.
5. You can record by drawing pictures of the animals and the corresponding body parts or by using numbers or both.

What to ask

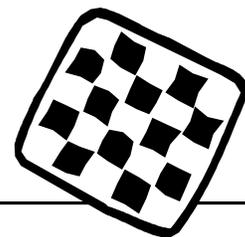
- How many more legs would you examine if 2 more dogs came into the clinic?
- How many more eyes would you see if 3 more cats came into the clinic?
- How many more noses would you see if 4 rabbits came into the clinic?
- How many eyes will you have to inspect if 5 animals visit your office?
- How many ears will you have to inspect if 5 animals visit your office?
- How many noses will you have to inspect if 5 animals visit your office?
- Do you notice any patterns?



Did you know?

Children need experiences counting and adding in different contexts to begin to see that certain relationships are the same when the context changes. For example, if you ask young children how much 2 apples and 3 apples are, then ask how much 2 oranges and 3 oranges are, they will probably refigure the amount, rather than recognize the amounts will be the same.





What's next?

- If you check 9 noses, how many animals would that be?
- If you check 6 eyes, how many animals would that be?
- If you check feet for 3 animals, how many would that be?

To learn more

Counting On Frank

by Rod Clement

In addition to being an excellent book for talking about estimation, this story uses proportional comparison to answer questions like “How many Franks (the dog) would it take to fill up my room?”

12 Ways To Get To 11

by Eve Merriam

This book uses ordinary experiences to present twelve combinations of numbers that add up to eleven. Example: At the circus, six peanut shells and five pieces of popcorn.

How it helps with school

Texas PreKindergarten Curriculum Guidelines

Number and Operations, Patterns, Classification and Data Collection

Texas Essential Knowledge and Skills (TEKS) Standards

Numbers, Operations, and Quantitative Reasoning: K.1A-C, K.4; 1.2B, 1.3A-B; 2.3A, 2.4A

Patterns, Relationships and Algebraic Thinking: K.5, K.6A; 1.4A-B; 2.5A, 2.6C

Underlying Processes and Mathematical Tools: K.13A-D, K.14A, K.15; 1.11A-D, 1.12A, 1.13; 2.12A-D, 2.13A, 2.14

National Council of Teachers of Mathematics (NCTM) Standards

Number and Operations, Algebra, Problem Solving, Connections, Representation

Dr. Vet: Noses, Ears, Legs and Eyes

Examination Record

Doctor's Name _____

Date _____

Animal	How many eyes?	How many ears?	How many noses?	How many legs?

