

# Vets Count

There are all different kinds of veterinarians!  
Veterinarians work in hospitals, on farms, in laboratories,  
at universities, in the military, in industry, for the  
government, and more. Veterinarians help keep  
people and many other animals healthy!

One thing that all veterinarians have in common is math!  
In this game you get to practice some of the ways that  
veterinarians use their math superpowers to help  
people and their animals.

# Vets Count

Vets Count was developed by two principals Amy Wackerly and Ann Mennonno, a veterinarian, Dr. Sandy San Miguel, and a teacher, Michelle Overman, as a fun way to practice veterinary math superpowers.

Design & illustrations by Vicky Fieldhouse

Get More superpowers at:  
**[www.VetaHumanz.org](http://www.VetaHumanz.org)**



## How to Play **Vets Count**

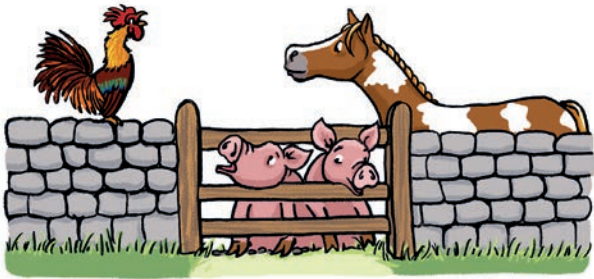
1. Use the cards and the side of the game board with the same colors.
2. Each player or team chooses a set of colored markers, and gets one challenge card.
3. Players take turns picking one game card and solving the problem.
4. Players may use the calculator or pencil and paper to find the answer.
5. Once completed, have an opponent check your answer.

6. If your answers match, use your color marker to cover that number on the game board.
7. If your answers don't match, throw a challenge card and follow the directions.
8. To win, get 4 of your color markers in a row on the game board in any direction.
9. If no one gets 4 in a row, play again to break the tie.

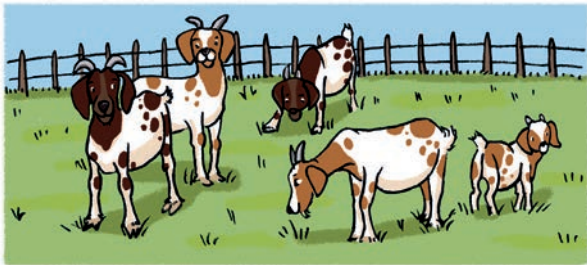
$$1 + 1 + 1 + \frac{1}{2} = ?$$







Farmer Carl has 7 pigs, 7 roosters, and 7 horses. How many farm animals in all does Farmer Carl have?



There are 44 goats in the field. If you separate the goats into 2 equal groups. How many goats will you have in each group?



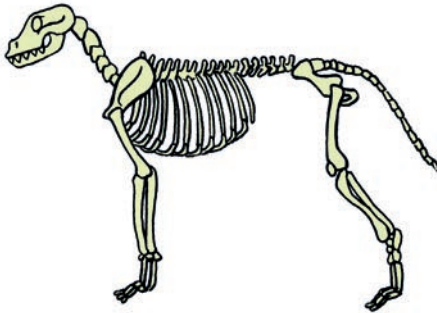
Dr. Sandy treated 9 turtles on Monday, 5 chameleons on Tuesday, 1 boa constrictor on Wednesday, 5 bearded dragons on Thursday, 2 geckos on Friday and 1 tortoise on Saturday morning. How many reptiles did Dr. Sandy treat in all?



Keon has 12 puppies. Kayla has twice as many puppies. How puppies does Kayla have?



Dr. Feathers examines 5 pet birds every day. How many pet birds will Dr. Feathers examine in 5 days?



Dogs have 13 pairs of ribs. How many ribs do dogs have?

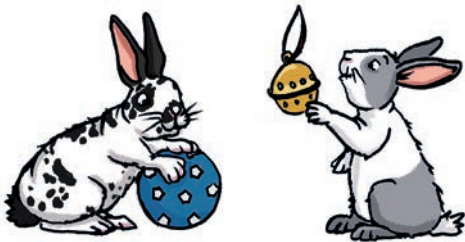


Dr. Micha operates on 3 cats every day. How many surgeries on cats will Dr. Micha perform in 9 days?

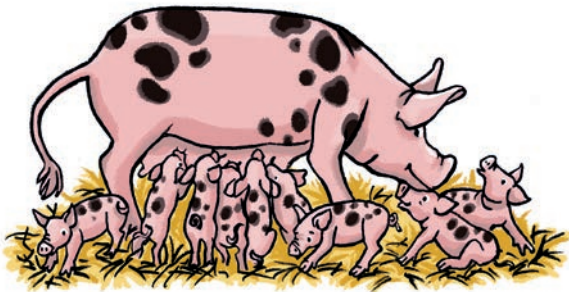


There were four laboratory mice in each cage. The laboratory had 7 cages. How many mice were in the laboratory?





At Happy Laboratory, every rabbit home gets a ball or bell for the rabbits to play with. Happy Laboratory has 59 rabbit homes in all. Balls are in 30 rabbit homes. How many rabbit homes have bells?



Three sows each had 10 piglets. How many piglets  
did they have in all?



Dairy Farmer Hanna forgot to label one of the buckets of milk. What number should be on the bucket?



There are 10 duck eggs in each nest. Count by ten.  
How many ducklings will hatch?



Veterinary Nurse Bryan is trying to fill the syringe with medicine for the sheep. Help by figuring out what number is missing.



This year Farmer Jeff has 12 beef cattle in his herd. Last year he had 22 beef cattle. How many more did he have last year?

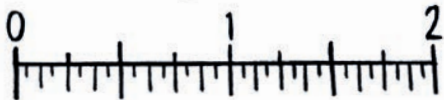


We have a gallon of milk to serve all of the children.  
One container has 12 cups of milk. The other  
container has 4 cups of milk. How many cups are in  
a gallon?



Dr. Jessica visited 5 farms today. She saw 20 goats, 1 horse, 3 beef steers, and a llama. How many animals did she take care of today?





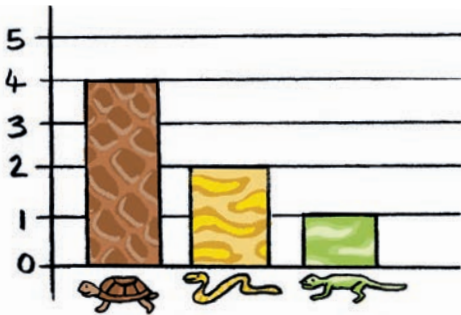
The 10 gallon fish tank can hold 10 inches of fish.  
Each fish is 2 inches long. How many fish will fit in  
the tank?



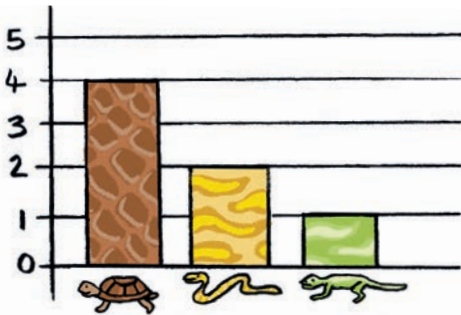
Percy the cat needs his medicine in 3 hours. What time does Percy get his medicine?



The chew toy costs \$2.25. How many quarters will I need to buy the toy for the rabbit?



Dr. Rocky asked the children to name their favorite reptile. How many children like turtles best?



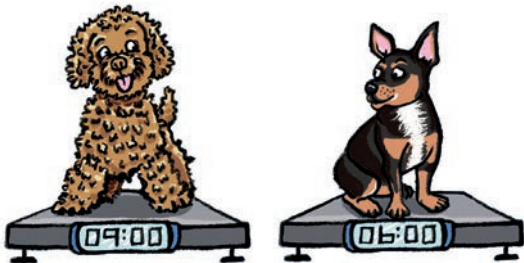
Dr. Rocky asked the children to name their favorite reptile. How many children like turtles best?



Ruby the dog needs medicine 3 times a day. Ruby had her medicine 2 times today. How many more times does Ruby need her medicine?



Daisy the dairy cow made 8 gallons of milk today. A very special cow, Buttercup, made 10 gallons of milk today. How many more gallons of milk did Buttercup make than Daisy?



Muffin the toy poodle weighs 9 pounds. Charlie the Chihuahua weighs 6 pounds. How many more pounds does Muffin weigh?





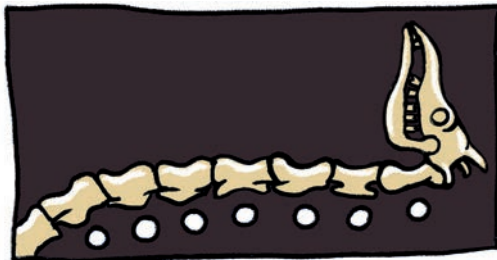
You suspect that Pete the puppy has worms.  
Examine Pete's poop under the microscope. How  
many roundworm eggs do you see?



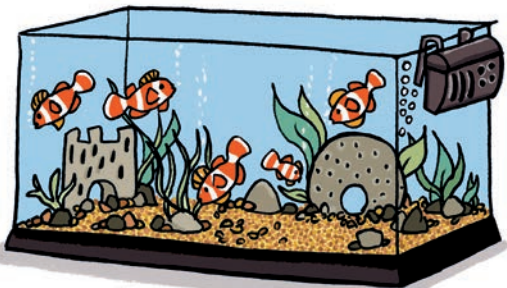
Eleven hamsters visited Dr. Julio on Monday. Six hamsters visited Dr. Julio on Tuesday. How many more hamsters visited Dr. Julio on Monday?



Sophia has 3 kittens in her yard. Pedro has twice as many kittens in his yard. How many kittens are in Pedro's yard?



People and giraffes have the same number of neck bones. Look at the giraffe's radiograph (X-ray).  
How many neck bones can you count?



There are 6 Clownfish in the tank. If Marcus adds 2 more Clownfish, how many Clownfish will there be?



How many piglets can you treat with this syringe if each piglet gets one ml of iron to stay healthy?



You give Sunshine the horse two 5-gallon buckets of water a day. How many total gallons of water does Sunshine get in a day?

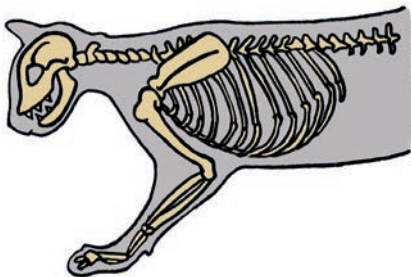


Claire the chicken has already laid one egg less than a dozen this month. How many eggs did she lay?

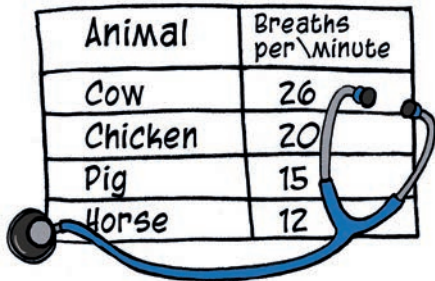




Billy the Goat took 6 breaths in 30 seconds. How many breaths will Billy take in 60 seconds?

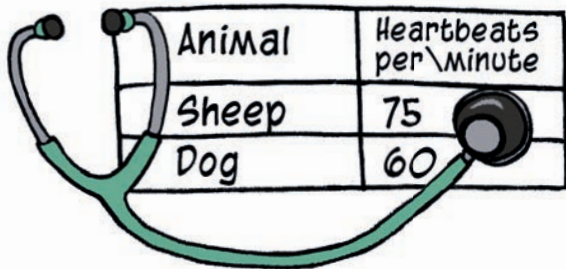


You counted the cat's ribs. First, you counted 10 pairs of ribs. Then, you counted 3 more pairs of ribs. How many pairs of ribs do cats have?

A hand-drawn table with two columns: 'Animal' and 'Breaths per Minute'. The rows list four animals: Cow (26), Chicken (20), Pig (15), and Horse (12). A blue stethoscope is drawn over the table, with its chest piece on the 'Horse' row and its ear pieces on the 'Cow' and 'Chicken' rows.

Animal	Breaths per Minute
Cow	26
Chicken	20
Pig	15
Horse	12

You used your stethoscope to measure the respiratory rate of 4 farm animals. How many more breaths in a minute did the cow take than the horse?



Animal	Heartbeats per minute
Sheep	75
Dog	60

You used your stethoscope to measure the heart rate of a dog and a sheep. How many more heartbeats in a minute did the sheep have compared to the dog?



Sam earns \$2 a day for walking his neighbor's puppy. If Sam walks the puppy for 8 days how much will Sam earn?



Petunia the pig is gaining 2 pounds a day. If Petunia weighs 15 pounds today, how much will Petunia weigh tomorrow?



Janelle and Darius bought a heater and a thermometer for their fish tank, how much did they spend?



A group of lions is called a pride. There are 17 lions in the pride. One lioness had 2 cubs. How many lions are in the pride now?





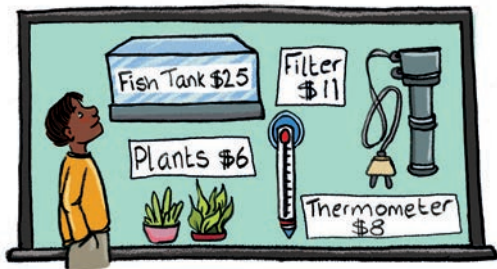
Three geese are swimming in a pond. Six more geese fly in to join them. Eleven more geese waddle in from the backyard. How many geese are in the pond now?



The cheetah ran 65 miles per hour. The horse ran 44 mph. How many more miles per hour did the cheetah run?



There are 12 puppies playing in the yard. How many would there be if there were twice as many?



Isaiah went to the fish store. He bought a filter for 11 dollars, a plant for 6 dollars and a thermometer for 8 dollars. How much did he spend for his aquarium?



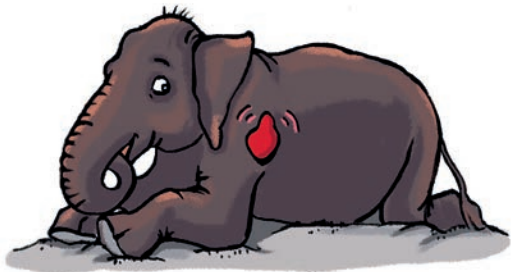
Pet tortoises need to come inside if it is below 60 degrees F. It is 85 degrees outside. How many degrees does the temperature have to drop before you bring Tyrell the tortoise inside?



You have two sows Zamiah and Carly. They each had 13 piglets. How many piglets did they have altogether?

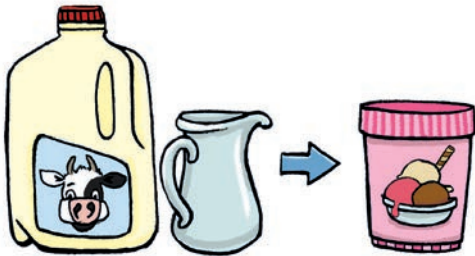


Each pill has 9 milligrams of medication. Karlin the cat needs 3 pills a day. How many milligrams of medicine will Karlin get in one day?



Henry the elephant's heart beats an average of 8 beats per minute. How many times will Henry's heart beat in 4 minutes?





It takes 12 pounds of milk to make a gallon of ice cream. How many pounds of milk do you need to make 3 gallons of ice cream?



Aurora's chinchilla jumped 3 feet in the air.  
How many inches did Aurora's chinchilla jump?



Ruby the cow makes 25 gallons of saliva or spit every day! How much saliva will Ruby make in two days?



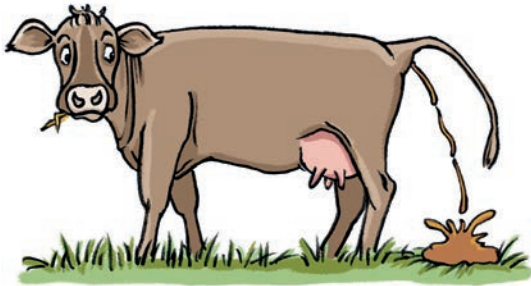
Billy the dachshund weighs 6 pounds. Zamir the bulldog weighs 9 times more. How many more pounds does the bulldog weigh?



There are nine mustangs in each herd. If there are 6 herds, how many mustangs would there be in all?



It takes 21 pounds of milk to make a pound of butter?  
How many pounds of milk would you need to make  
3 pounds of butter?



On average, cows poop 16 times a day. In 4 days how many times will a cow poop?



Raylan the wolf travels 25 miles in one day. How many miles would Raylan travel in 3 days?





Travon the dog's heart beats 20 times in 15 seconds,  
how many times does his heart beat in one minute?



Forty ewes had 2 lambs each. How many new lambs were on the farm?



Tina the turkey laid 100 eggs in a year. Dana the duck laid 187. How many more eggs did Dana the duck lay?



Veronica the rabbit's heart beats 45 times in 30 seconds, how many times does her heart beat in one minute?



40 kittens went to the veterinarian's office on Monday. 37 kittens went on Tuesday. 24 kittens went on Wednesday. How many kittens in all went on Monday, Tuesday and Wednesday?



We watched 202 migrating Monarch butterflies stop to rest. If half of them landed on one tree, how many would that be?



There were 500 squid living together in the ocean.  
A killer whale ate 325 of them. How many squid  
were left?



Ozzie the otter ate 25 pounds of sea urchins each day for one week. How many pounds did Ozzie eat in all?

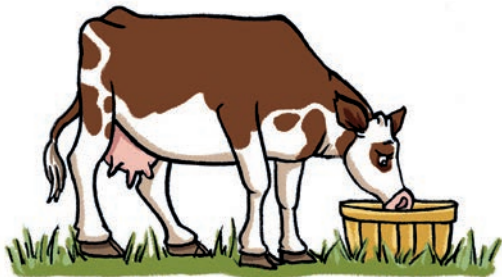




Farmer Liam has twenty horses. He also has 20 pounds of hay. How many pounds of hay will each horse get if the hay is divided equally?



Mr. Johnson has 12 kittens.  
If there are 6 families that want kittens for pets.  
How many kittens will each family get?



Cows eat about 20 pounds of food a day.  
How much cow feed does Farmer Jaylin need to feed  
her cow for 3 days?



The normal temperature of a cow is 101 degrees F. Bessie's temperature is 104 degrees F. How many degrees above normal is Bessie's temperature?



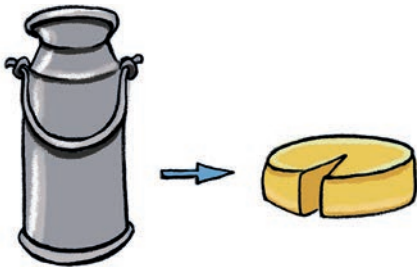
The normal temperature of a goat is 103 degrees F.  
The normal temperature of a horse is 100 degrees F.  
What is the difference in the normal temperatures?



Dr. Samir the zoo vet looked under the wooden  
barrier and saw 16 legs.  
How many zebras would that be?



Twenty lizards need to be placed in 5 homes.  
How many lizards will be in each home?



It takes 10 pounds of milk to make a pound of cheese? How many pounds of cheese could you make with 50 pounds of milk?

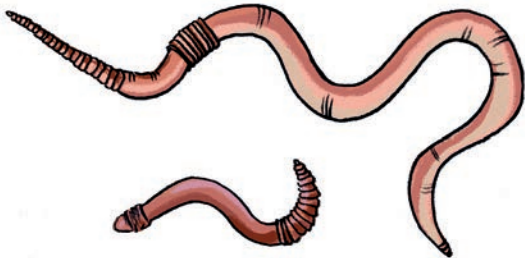




Keeping the bedding clean in your hamster's cage is key to keeping them healthy. You should clean it every 7 days. How many times would you clean it in 6 weeks?



You're a veterinary scientist. You need 4 groups of animals. You have 24 animals in all. How many animals will be in each group?



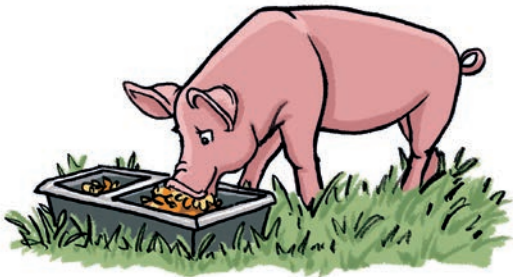
One worm was 2 centimeters. Another worm was 9 centimeters. What is the difference in their lengths?



Bessie the cow made 32 quarts of milk today?  
How many gallons of milk did Bessie make today?



Cows drink 50 gallons of water every day. One bucket holds 5 gallons. How many 5 gallon buckets of water would Gertrude the cow need each day?



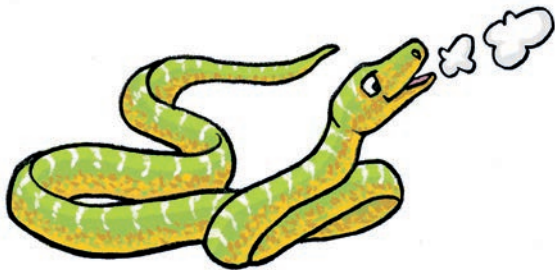
Carson the pig weighs 60 pounds. Carson is gaining 2 pounds a day. How many days will it take Carson to get to 80 pounds?



Horses and ponies are measured in hands at the top of their shoulders or withers. A hand is 4 inches.

Jack the pony is 44 inches tall at his withers.

How many hands tall is Jack?



Kriss the snake took 3 breaths in 15 seconds.  
How many breaths did Kriss take in 60 seconds?





Harold the hamster slept for 360 hours during the month of April. If Harold slept the same amount every day, how many hours did he sleep each day?



Ronnie has a fish tank with 17 fish. Four of the fish are sick. If Ronnie took the sick fish to the vet, how many fish would be left in the tank?



Two glasses of milk weigh one pound.  
How many glasses of milk are in 7 pounds?



Micah's puppy weighs 8 pounds. Greg's puppy  
weighs twice as much.  
How much does Greg's puppy weigh?



Finn spent a year and a half in training to become a service dog. How many months is that?



Oliver the piglet is gaining 2 pounds a day. If Oliver weighs 13 pounds today. How much will Oliver weigh in 3 more days?



Connor the kangaroo rat can jump 5 times his height. If Connor's height is 4 inches, how high can Connor jump?

# Challenge Card

## Your answers didn't match!

The first player/team to solve the problem can use their color marker to cover the number on the game board.

Here are some things to check:

- Did you read the problem correctly?
- Did you add, subtract, multiply, or divide?
- Did you press the right button on the calculator?
- Is there an error in your calculations?





# Challenge Card

## Your answers didn't match!

The first player/team to solve the problem can use their color marker to cover the number on the game board.

Here are some things to check:

- Did you read the problem correctly?
- Did you add, subtract, multiply, or divide?
- Did you press the right button on the calculator?
- Is there an error in your calculations?

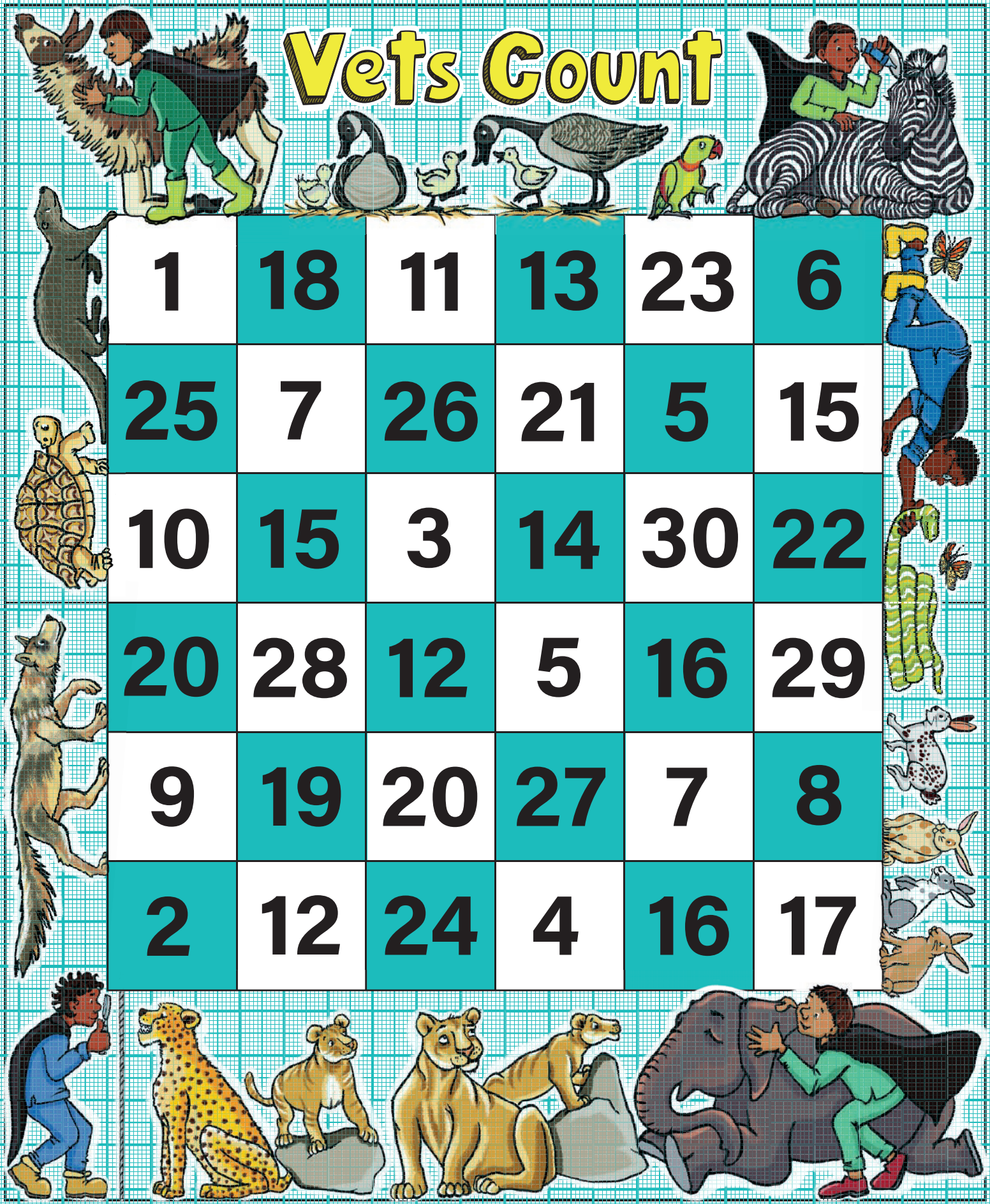


This is edge of board

Wrap Side

1" .25 x 9.5 final trim of label

# Vets Count



1	18	11	13	23	6
25	7	26	21	5	15
10	15	3	14	30	22
20	28	12	5	16	29
9	19	20	27	7	8
2	12	24	4	16	17



# Vets Count



1	54	14	19	101	12	63	80
10	32	3	11	27	36	13	2
25	10	175	90	5	18	4	24
63	36	54	18	64	50	7	16
14	5	12	101	32	6	10	25
3	21	26	8	16	1	75	54
175	10	7	4	80	36	12	11
87	2	24	50	3	20	54	8

