

ONE OUT OF SEVEN

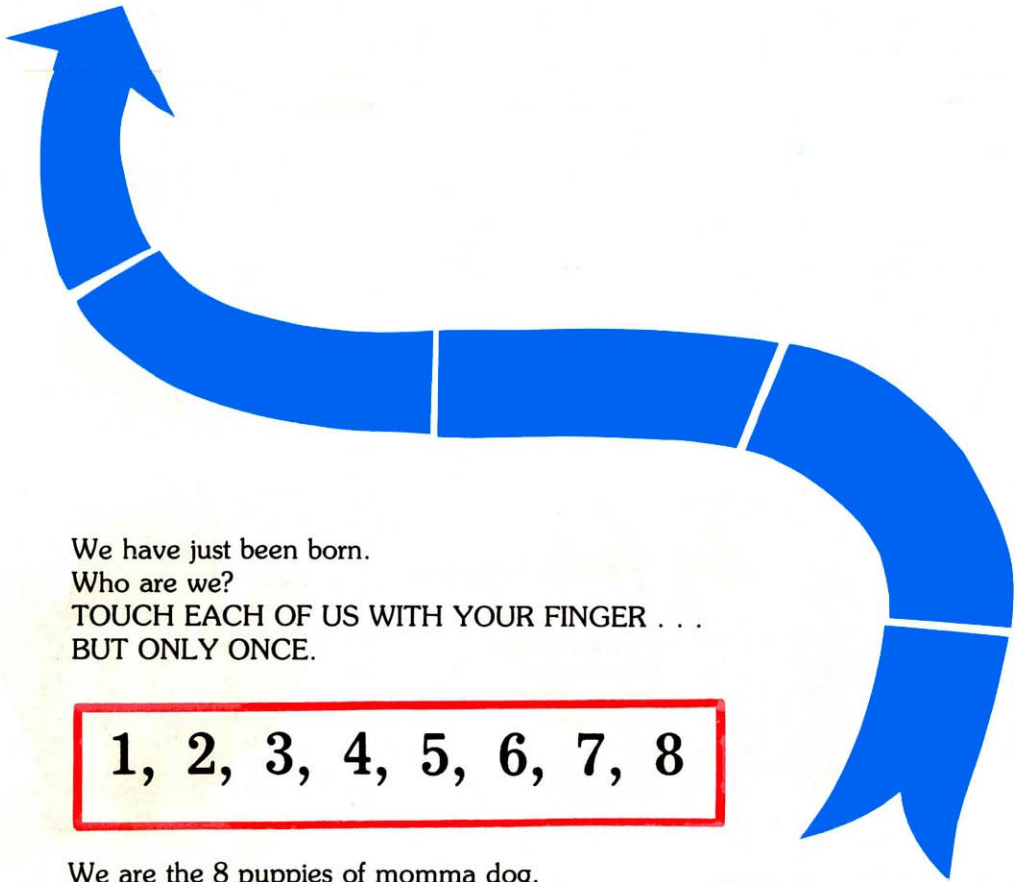
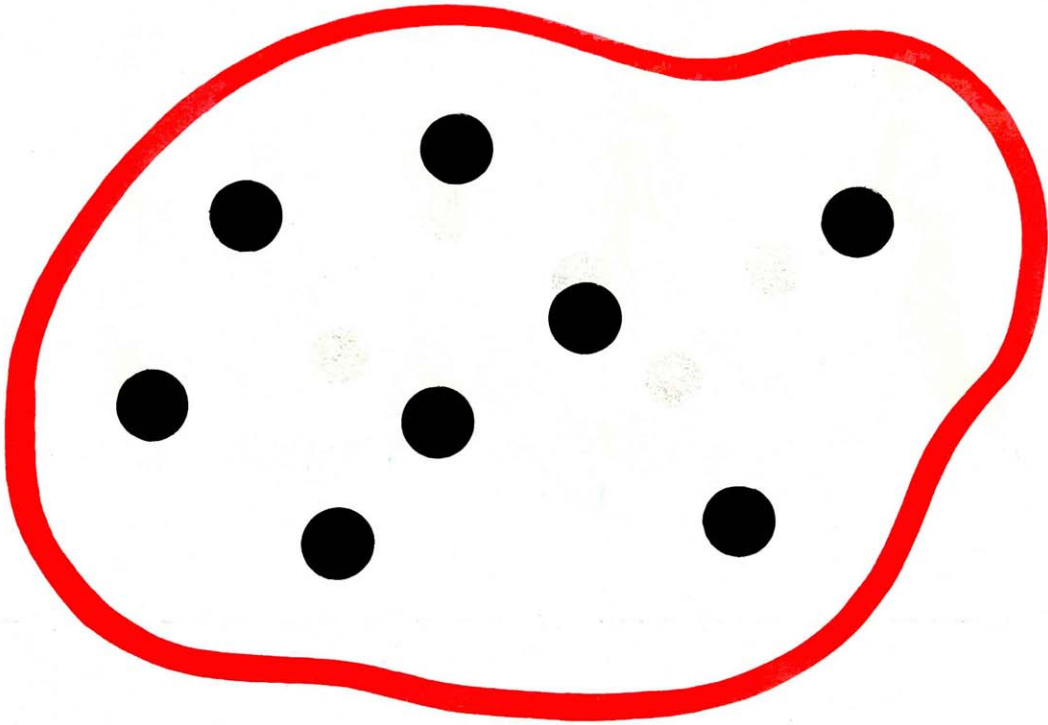
by Frederique

Pictures/Design
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Elliot Green



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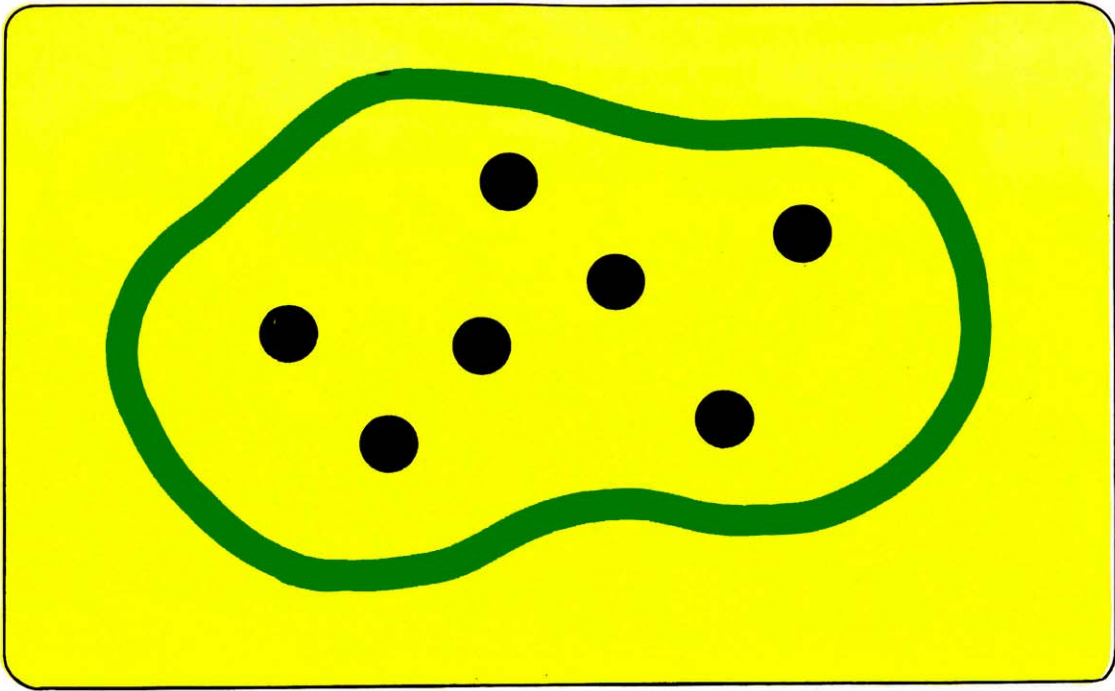
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We have just been born.
Who are we?
TOUCH EACH OF US WITH YOUR FINGER . . .
BUT ONLY ONCE.

1, 2, 3, 4, 5, 6, 7, 8

We are the 8 puppies of mamma dog.

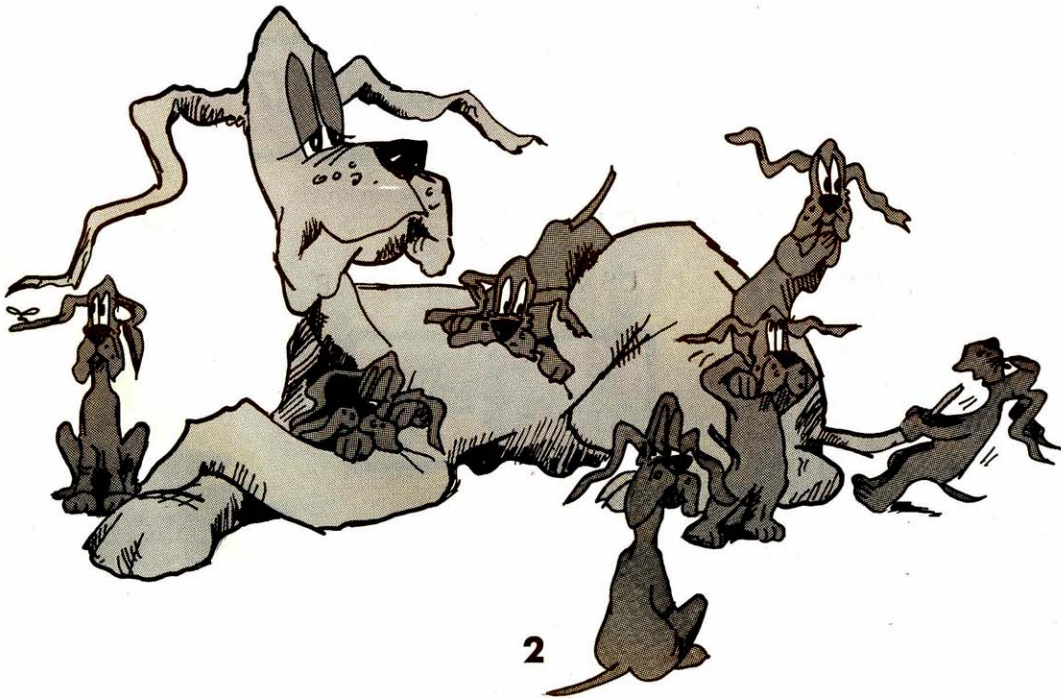


The next day . . . what happened?
TOUCH EACH OF US WITH YOUR
FINGER AND COUNT US AGAIN.

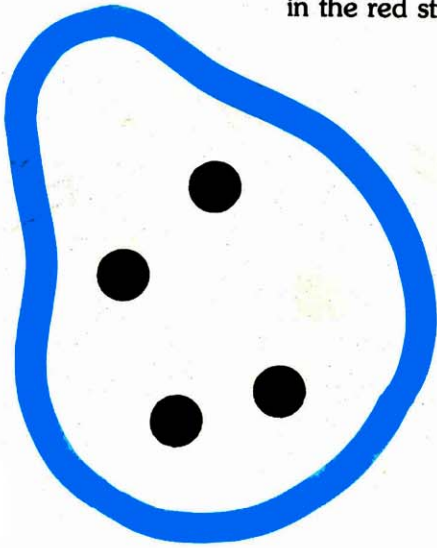
Yes, that's right. Now there are
only 7 of us. One of us was too tiny
and died during the night. Momma
dog cried.

1, 2, 3, 4, 5, 6, 7

But not for long, because she is too
busy with us. We are very hungry and
she has to feed us all the time.



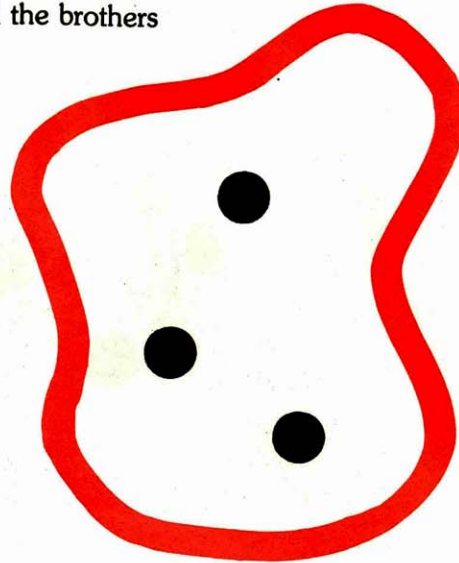
Here we are again, all the sisters in the blue string and all the brothers in the red string.



HOW MANY SISTERS?
TOUCH EACH OF US
WITH YOUR FINGER.

1, 2, 3, 4,

4 sisters in the blue string.



HOW MANY BROTHERS?
TOUCH EACH OF US
WITH YOUR FINGER.

1, 2, 3

3 brothers in the red string.

HOW MANY PUPPIES ALTOGETHER?

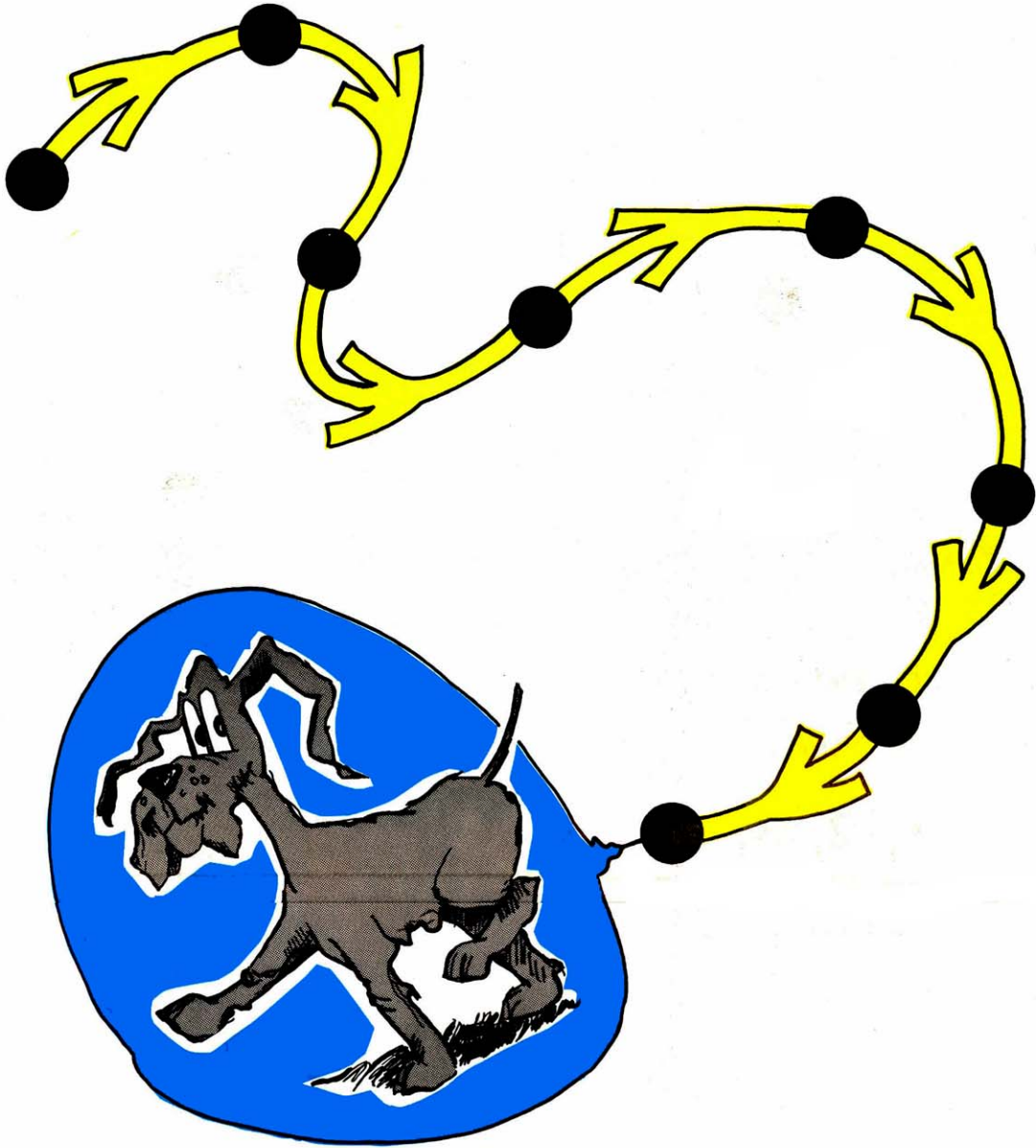
1, 2, 3, 4, 5, 6, 7

We are the 7 pretty puppies of mamma dog.



$$4+3=7$$





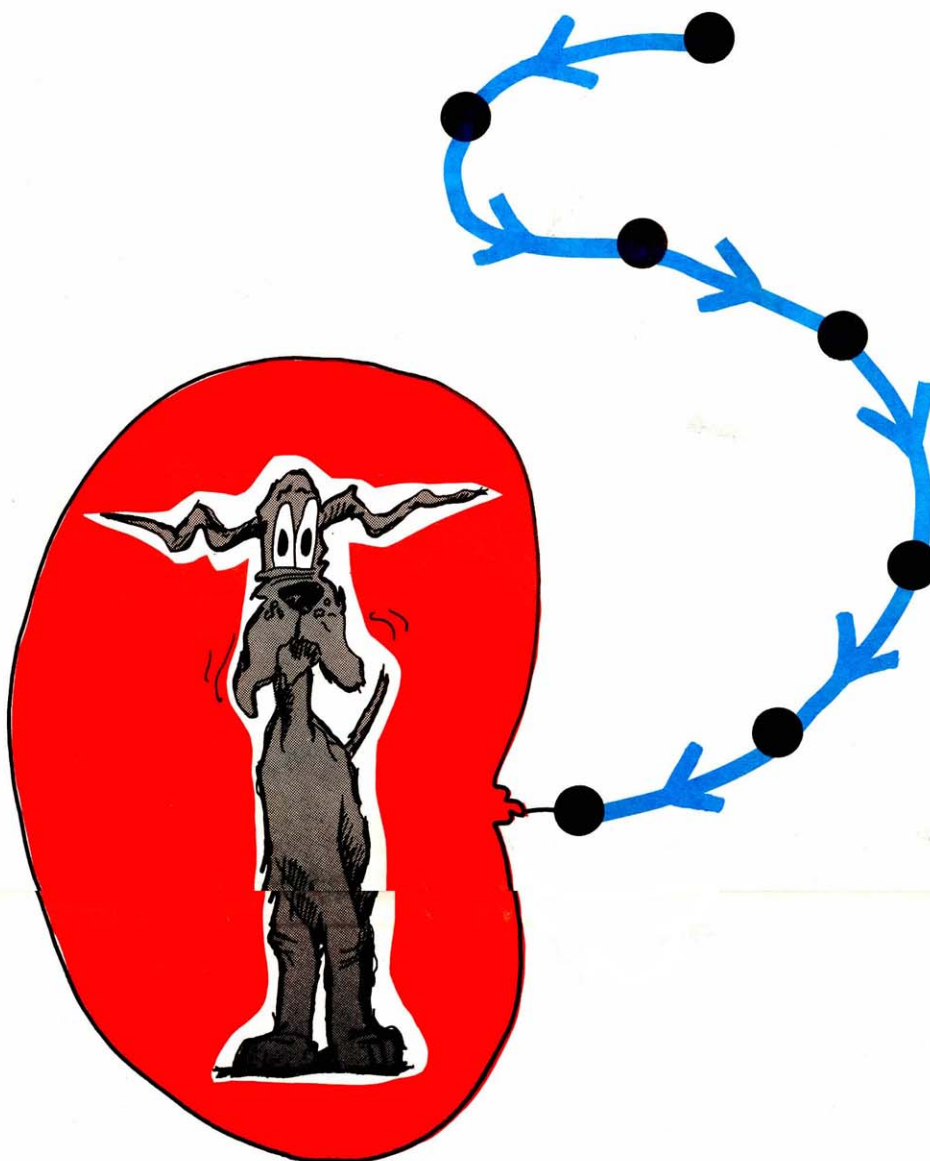
We are going for a walk with momma dog.

TOUCH THE DOT THAT IS FOR HER. MAKE SURE WE ARE ALL HERE. COUNT US.

1, 2, 3, 4, 5, 6, 7, 8

Yes, there are 8 of us altogether, the 7 puppies and our momma dog.

$$7+1=8$$



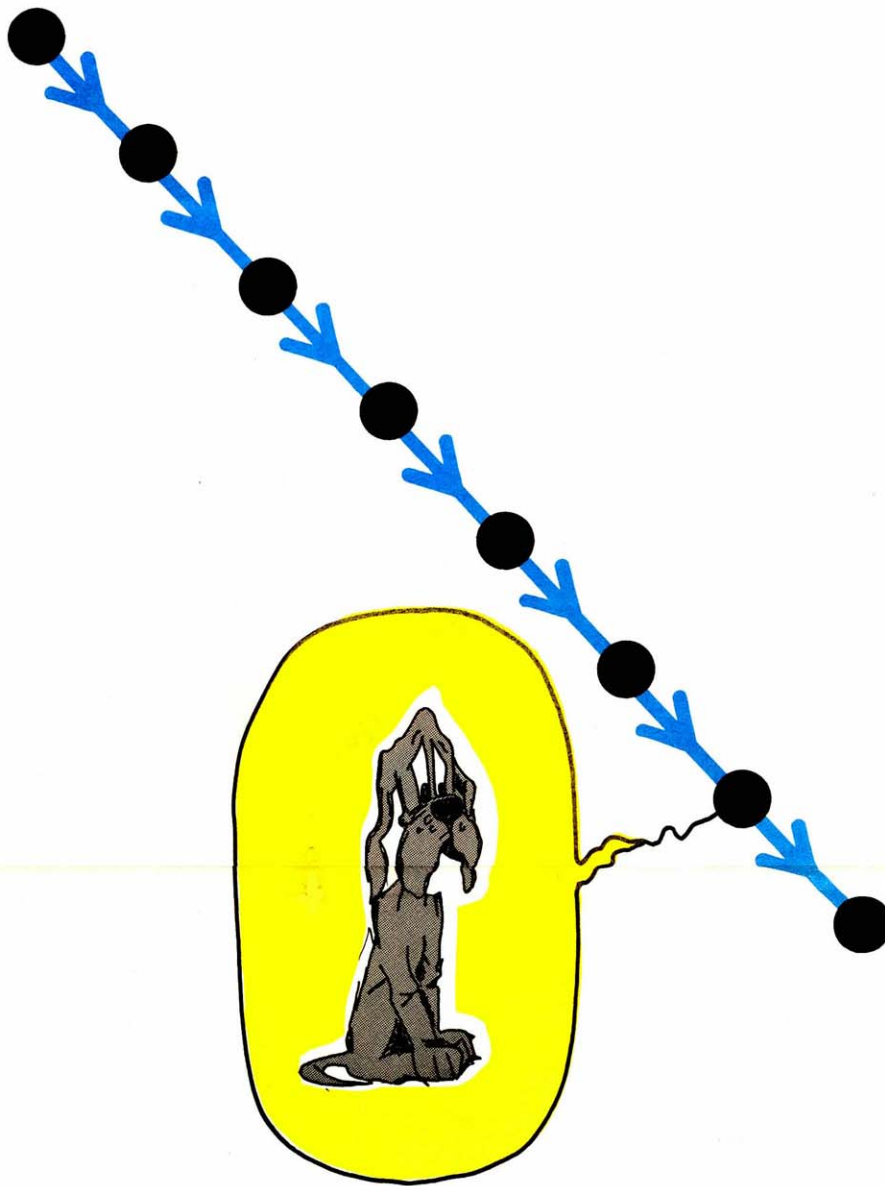
A few minutes later . . . what happened?

COUNT US AGAIN.

1, 2, 3, 4, 5, 6, 7

Only 6 puppies and momma dog.

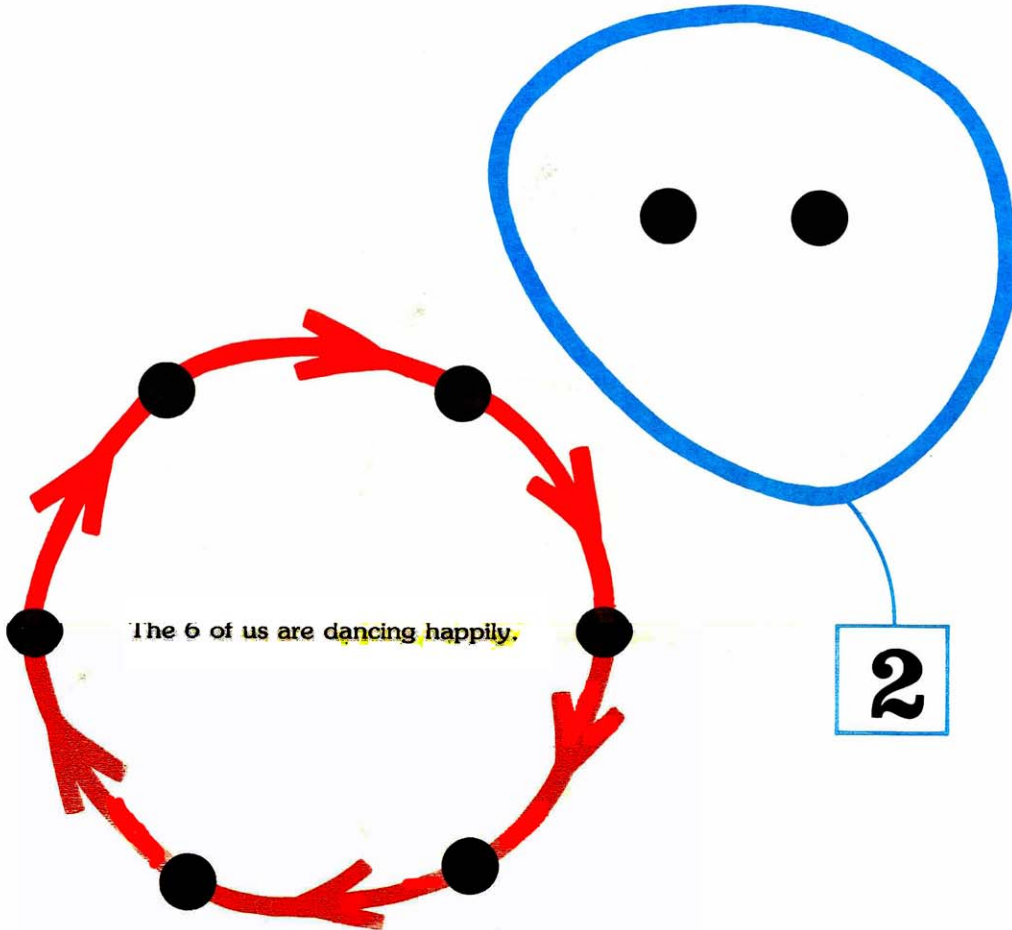
“Where is my seventh puppy?” barked
momma dog very sadly.



Momma dog was very angry. She caught hold of our little brother with her mouth and put him in the line just behind her.

TOUCH THE DOT THAT IS FOR OUR LITTLE BROTHER. TOUCH THE DOT THAT IS FOR MOMMA DOG.

Momma dog keeps our little brother near her
so he won't get lost again.

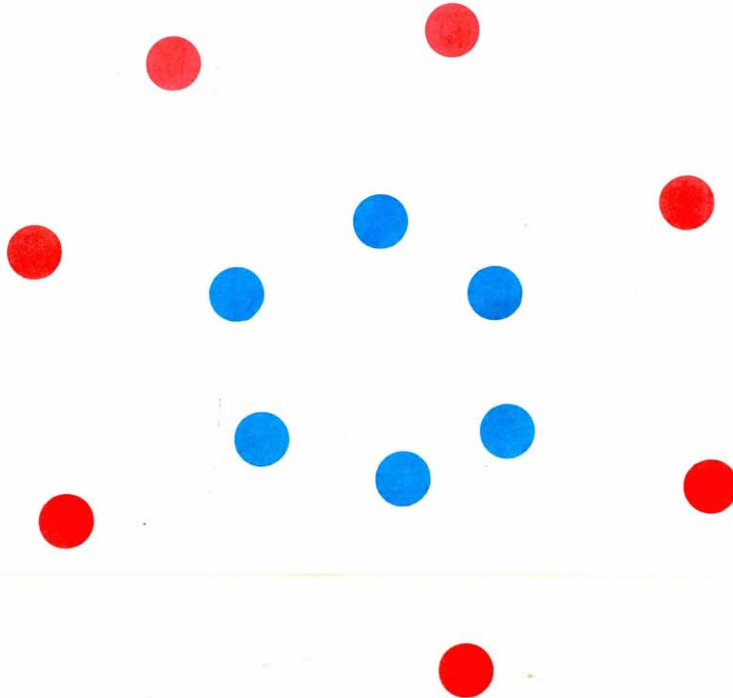


6 playful puppies plus momma dog and our
sad little brother; there are 8 of us altogether.

$$6+2=8$$

We are one month old today.

Each of us receives a nice dish with our name on it. We are always hungry and now momma dog often gives us a big slice of meat and some vegetables to eat.



The red dots are for us.

The blue dots are for our dishes.

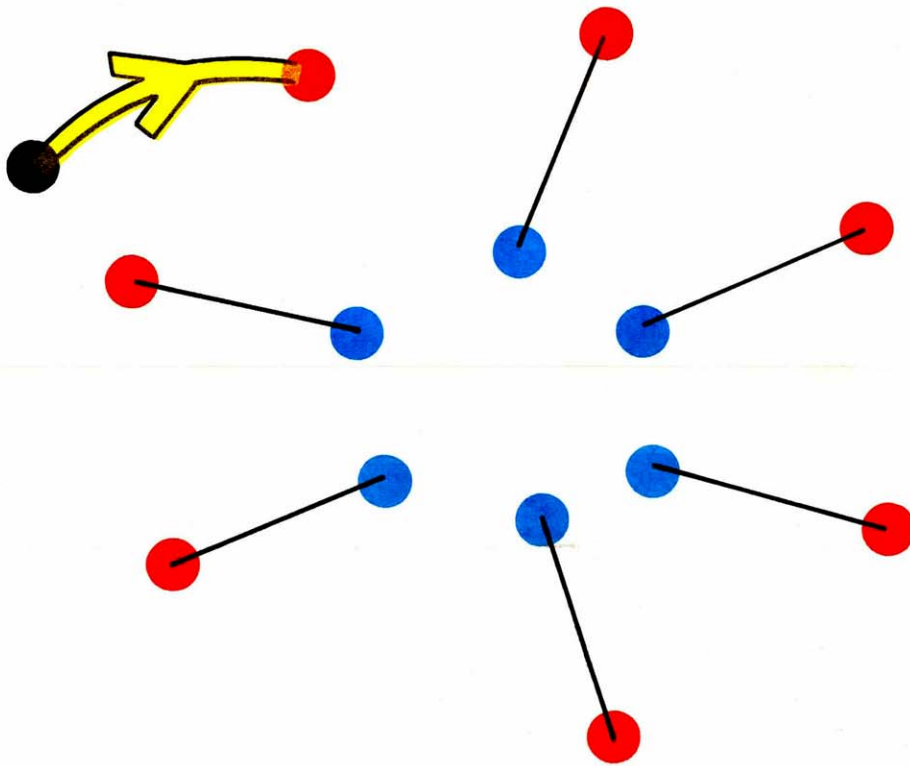
LOOK AT THE PICTURE CAREFULLY! WHAT DO YOU NOTICE?

CRAA·CK! One dish is broken. Our clumsy little brother stepped on it.



Momma dog is very angry. She scolds our little brother, and he starts to cry.

TOUCH THE DOT THAT IS FOR OUR LITTLE BROTHER. TOUCH THE DOT THAT IS FOR MOMMA DOG.



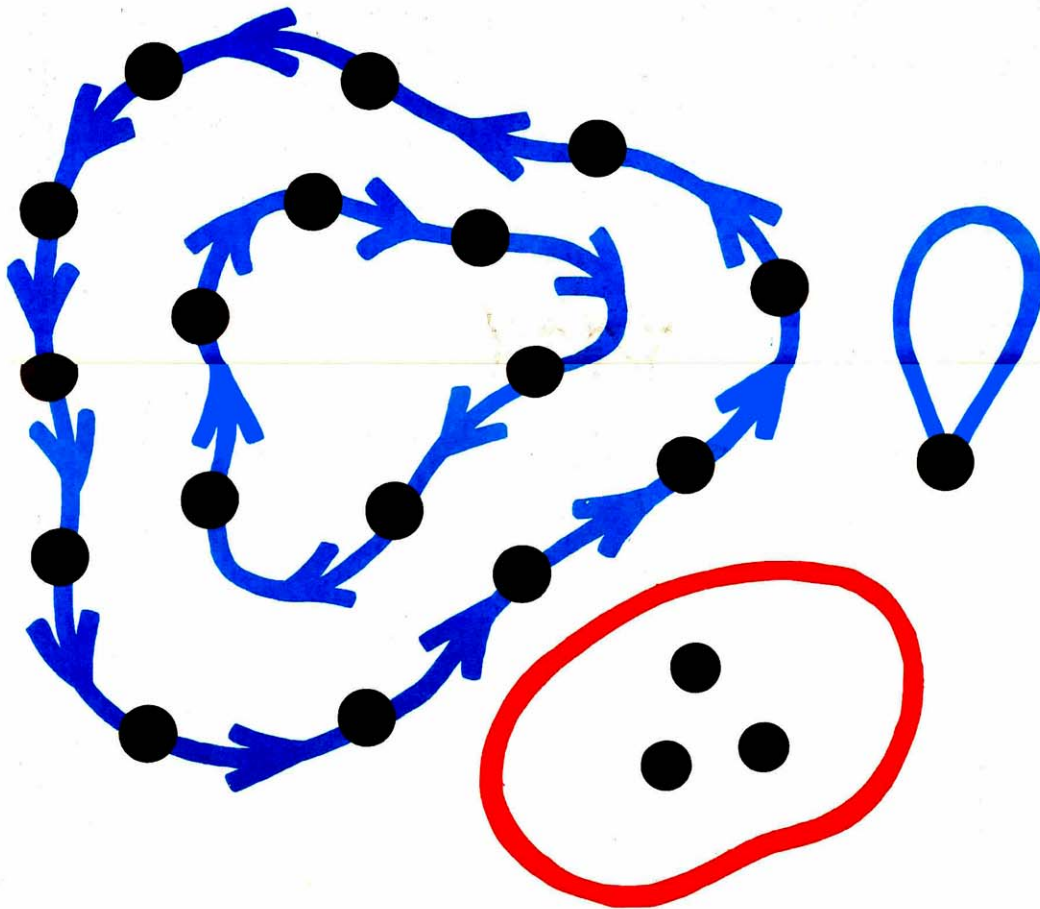
“You will never change,” says momma dog. “When we go for a walk, you run and jump all over the place without looking where I am and you get lost. When you receive a nice dish with your name on it, you break it.”

We were very quiet and ate our dinner without saying a word. Our little brother just received a biscuit.

One month later . . .

We have many friends. This afternoon we are playing in a large meadow with some of them. The momma dogs are there too and they chat together very happily. They are inside the red string.

We run and dance for a long time. We have a lot of fun.

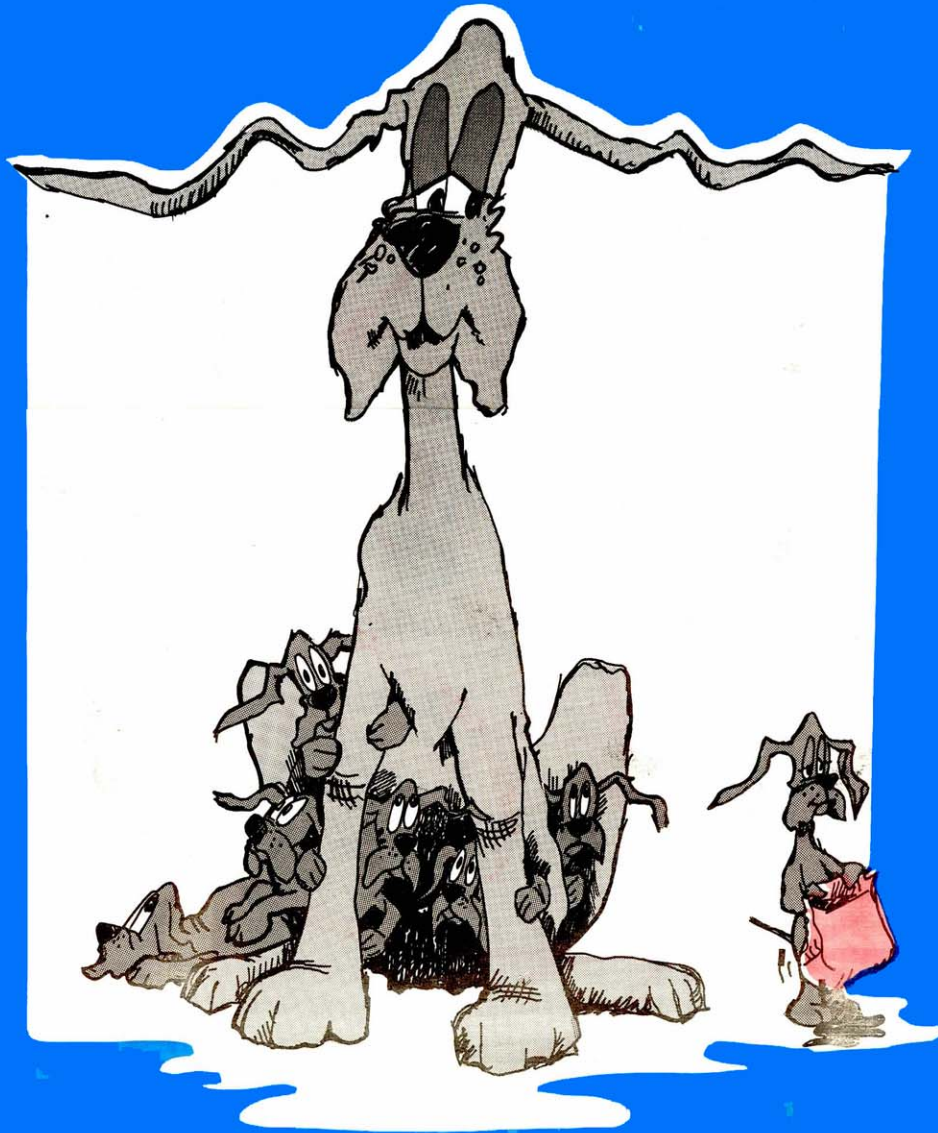


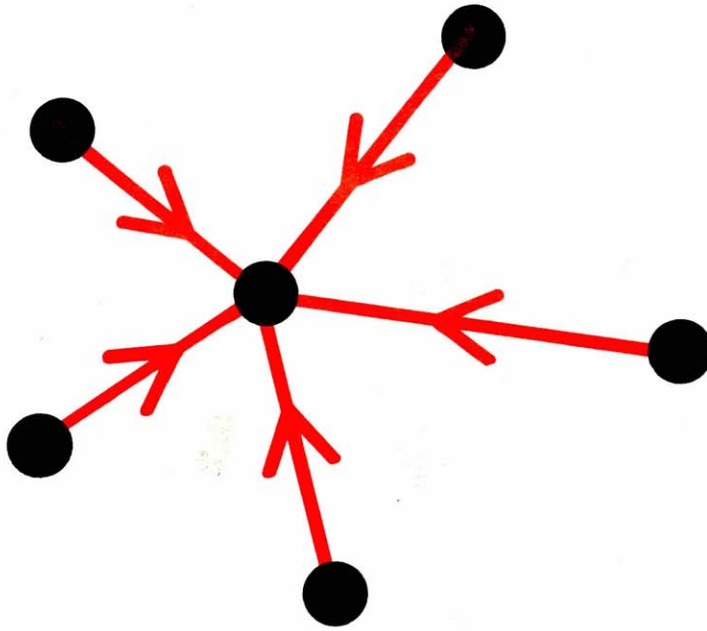
Our little brother was naughty again. He must play by himself.

TOUCH HIM WITH YOUR FINGER.

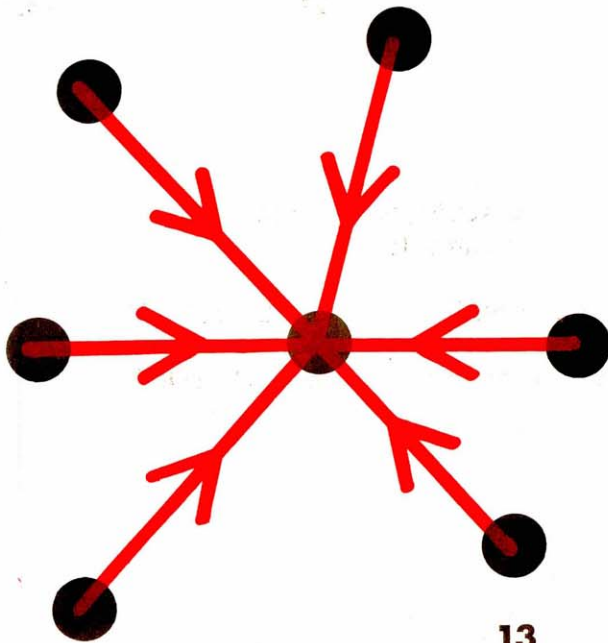
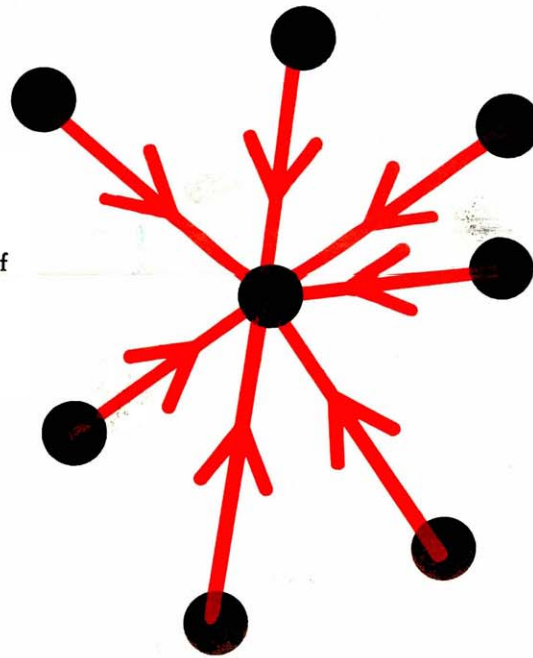
Suddenly, we hear a terrific clap of thunder and it begins to rain.

All the puppies are afraid and run quickly to be near the momma dogs.

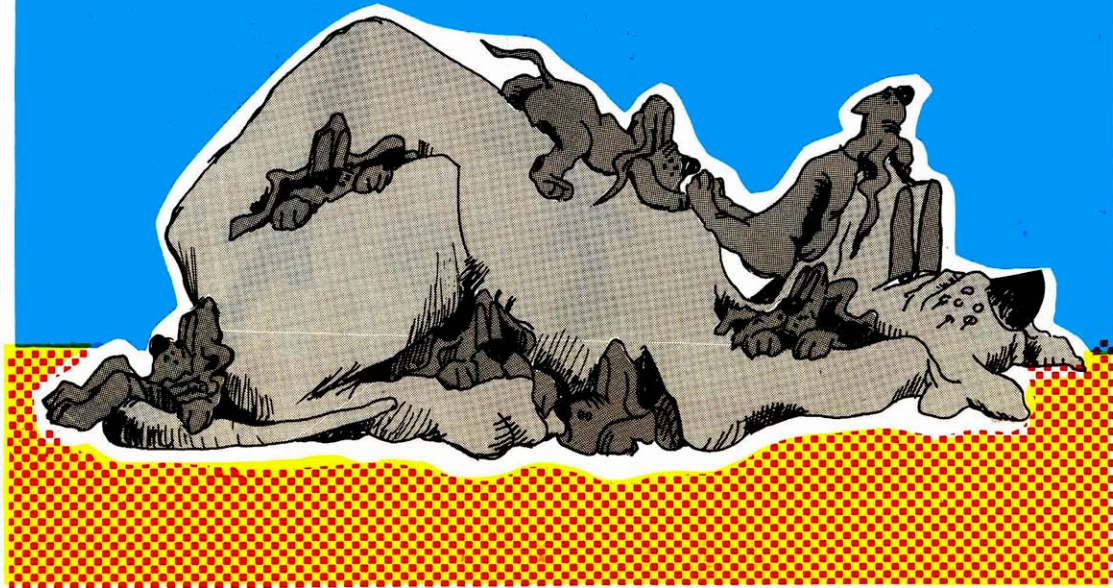




You can easily recognize us in this picture because there are 7 of us near our momma dog. In one family of our friends, there are 5 puppies. In another there are 6 puppies. This time we didn't lose our little brother.



When we get home we are so tired
that we immediately fall asleep
around mamma dog.



STORIES BY FREDERIQUE

Ages 5 to 8

The Playful Numbers
The Baby Is Born
81 Roses
One Out of Seven
The Old Shoemaker
I Am A Very Happy Boy
The Little Dreamer
Two by Two
The Weird Story of 24
Where's My Nose?
The Happy Puppet
The Magic Box
Summer School in the Old Days

Ages 8 to 12

The Little Donkey
Singing Friends
Dancing Friends
I Am Not My Name
The Living Lines
The Square Trap
Nabu Wins an Award

Ages 10 to 14

The Hidden Treasure
A Valentine Mystery
Election in the Number World
A Very Strange Neighborhood

Seven cuddly, lovable, little puppies. And, of course, one of them is always in trouble. He gets lost when the family goes for a walk; no sooner is he given a new dish than he breaks it; try as he will, nothing he does seems to be right. His mother is constantly having to scold him and punish him. His situation is one with which every child can sympathize.

Contrary to what might be expected, the heart-warming story of the seven puppies and their mother has a lot to do with mathematics. In addition to the delightful realistic pictures that grace the pages of this little book, much of the story is carried by abstract diagrams that use the powerful languages of strings and of arrows. These pictures are perhaps even more evocative than the true-to-life ones, because in them the reader can give full rein to his imagination.

Young children (and young-at-heart adults too!) will find that reading "One Out Of Seven" is a most enjoyable way to become acquainted with two important non-verbal mathematical languages. With such pleasant early experiences as this to look back on, their later contact with mathematics is much more likely to be positive and productive.

Edward Martin