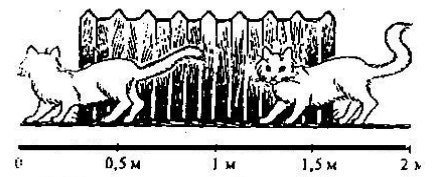
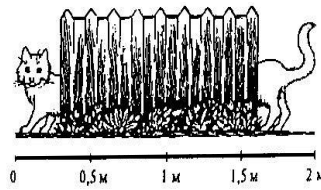
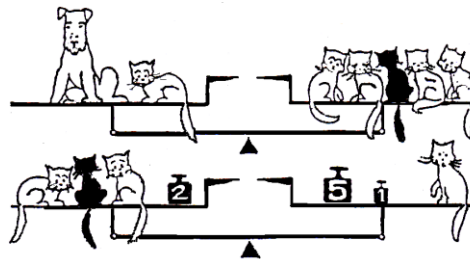


„MEOWMATICS“

1) What is the length of the cat?

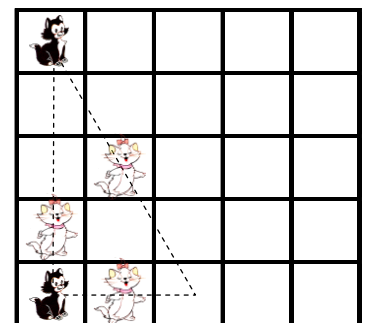


- 2a) In every corner of a room a cat sits down. Each of the cats sees three cats. How many cats are there in the room?
- b) In every corner of a room a cat sits down. On the tail of every cat sits a cat. Each of the cats sees three cats. How many cats are there in the room?
- 3) Look at the picture below carefully and then determine the mass of the dog and the mass of a cat, assuming the cats have the same mass.



4) A cat's tail length is 9cm and half a tail. What is the length of cat's tail?

5) A square consists of 25 smaller squares (fields). In each of the fields there is either a cat or a kitten. If on a straight line between two kittens there is a cat, then the kittens cannot see each other. What is the maximal number of kittens one can place on the square so that no kitten sees the other kittens? Distribution of cats and kittens should be drawn. You can denote kittens by K and cats by C.

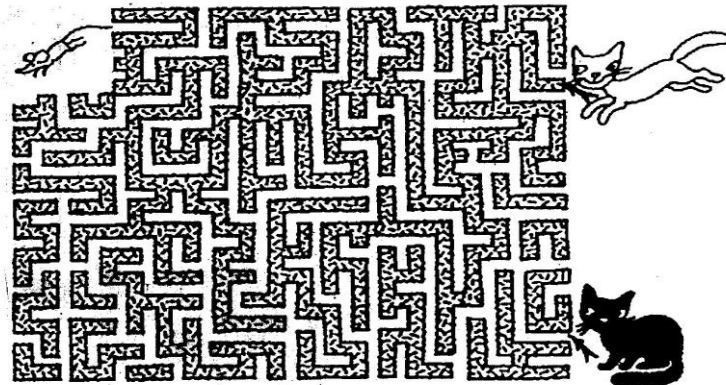


6) In how many ways you can read TIGER?

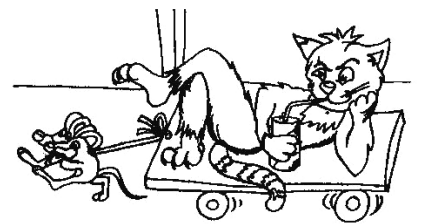
T
 I I
 G G G
 E E E E E
 R R R R R R

Exercises for individual work:

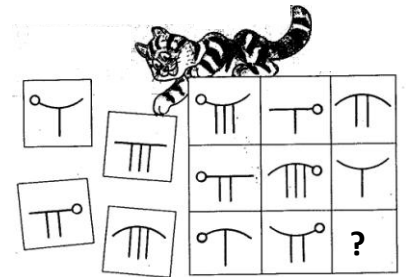
- 1) White cat – black track, black cat – white track. Can the mouse escape?



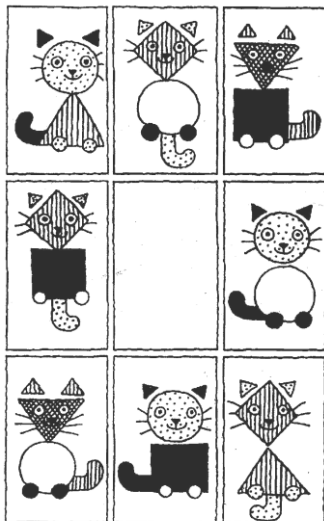
- 2) A cat promised it will no longer hunt mice if they carry him in a special carriage over the room. A mouse can pull a weight of 100g, but the cat gained weight and weighs 2kg. How many mice are needed to carry the cat in the carriage?



- 3) Which picture should the cat place on „?“



- 4) What kind of a cat is missing? Draw it.



- 5) „My tail“, a cat declared, „has length 8cm and one half of the length of my tail” . What is the length of the cat’s tail?
- 6) A cat Kitty eats all the food from a bowl in 6 minutes, and cat Tom eats the same amount of the food twice as fast as Kitty. What time does it take for the two cats together to eat all the food from the bowl?