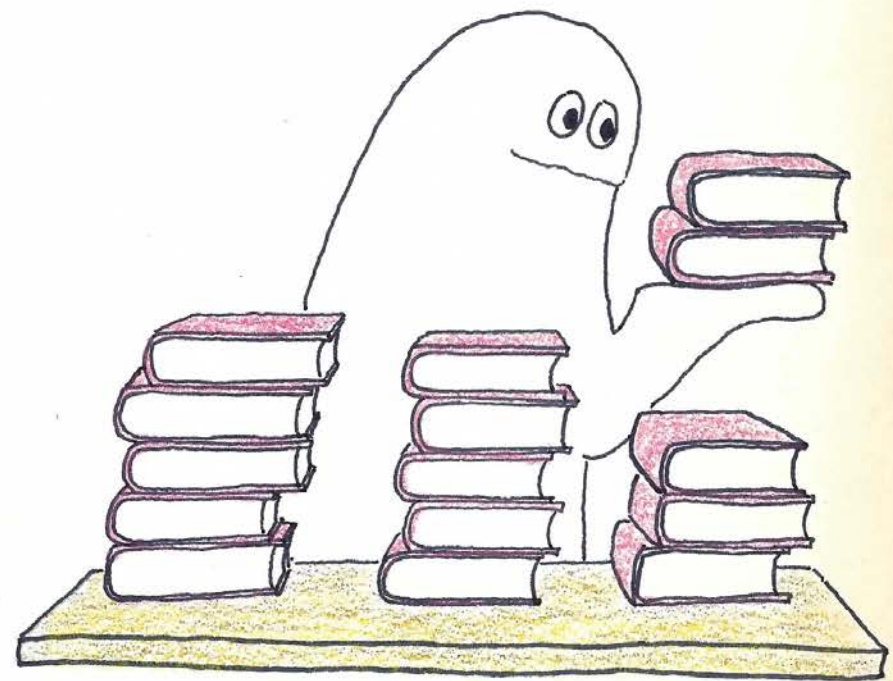


Chapter 1

PILES OF BOOKS

Put 5 books in each pile.
Make 3 piles.



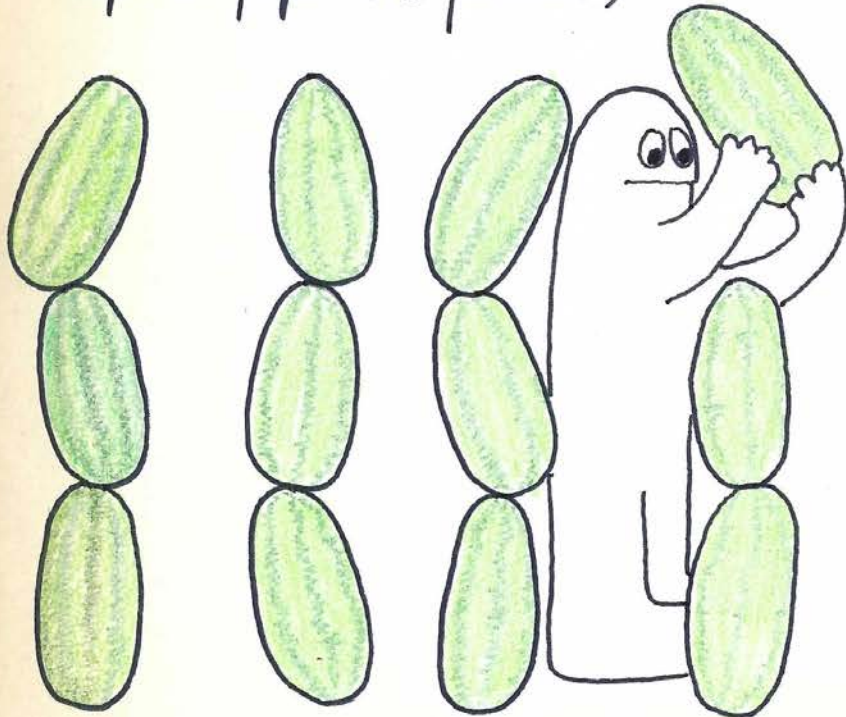
How many books did you use?

WATERMELONS

Put 3 watermelons in each pile.
Make 4 piles.

Make 4 piles.

(If you don't have real watermelons, use slips of paper and pretend.)



How many watermelons did you use?

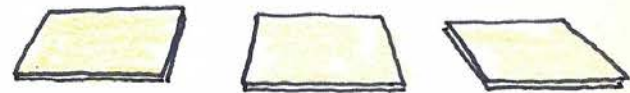
USE SLIPS OF PAPER

Put 6 slips of paper in each pile.
Make 2 piles.



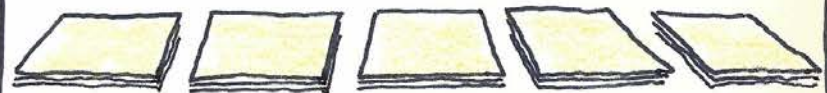
How many slips of paper did you use?

Put 2 slips in each pile. Make 3 piles.



How many slips did you use?

Put 3 slips in each pile. Make 5 piles.



How many slips did you use?

LEARN THE CODE

Look at the code. Then read the words:

IN CODE

IN WORDS

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

Put 5 slips in each pile.
Make 2 piles.

Now try to guess what these mean:

1.
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

USE THE CODE

Do what the code tells you to do.
How many slips of paper do you use?

1.
$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

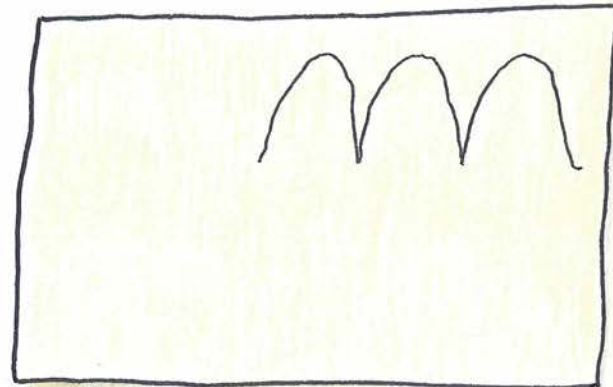
7.
$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$$

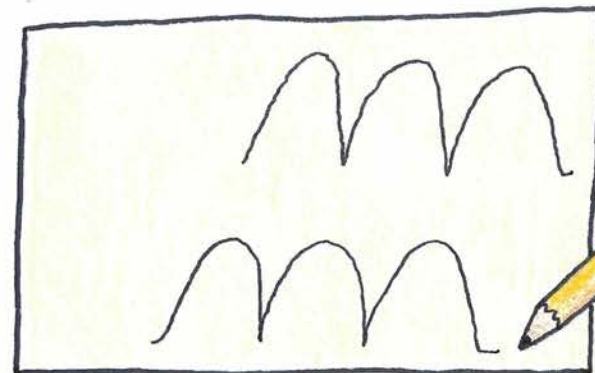
Chapter 2

MOUNTAINS

Draw a line that makes 3 mountains:



On the same paper, draw another line that makes 3 mountains:

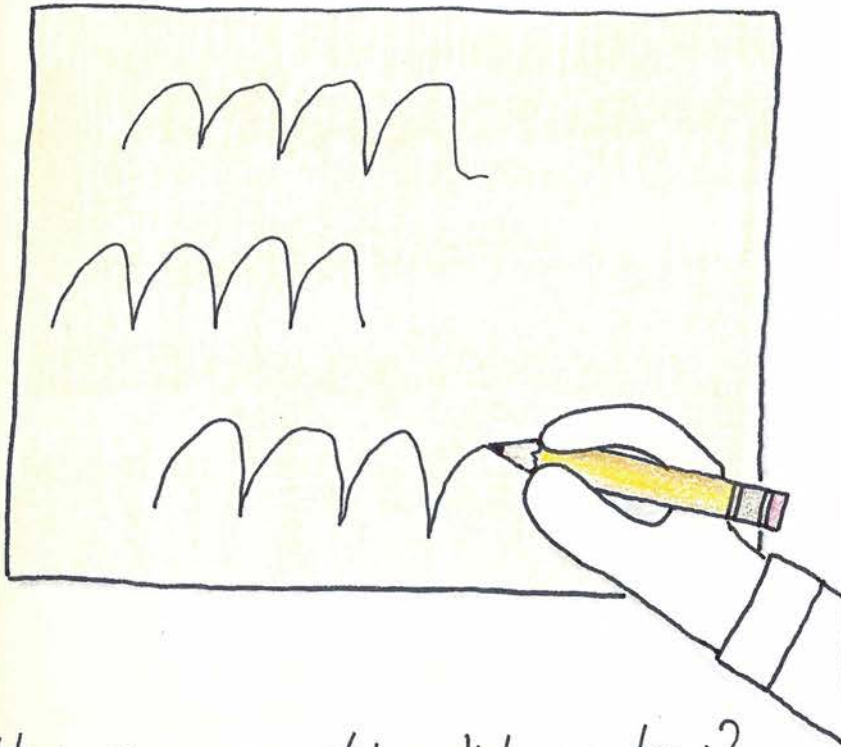


How many mountains do you have now?

MORE MOUNTAINS

Make 4 mountains on each line.

Draw 3 lines:



How many mountains did you draw?

FIVE ON A LINE

Make 5 mountains on each line.

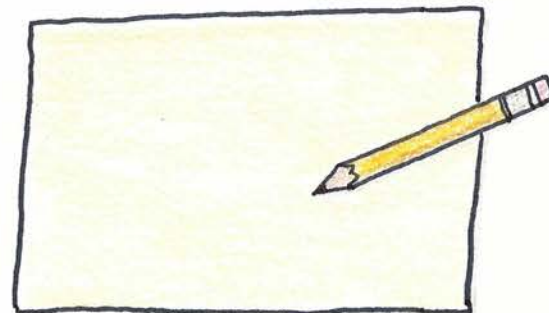
Draw 3 lines:



How many mountains did you draw?

Make 5 mountains on each line.

Draw 2 lines.



How many mountains did you draw?

LEARN THE CODE

Look at the code. Then read the words:

IN CODE

IN WORDS

$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

Make 4 mountains on each line.
Draw 2 lines.

Now try to guess what these mean:

1.
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

USE THE CODE

Do what the code tells you to do.
How many mountains do you get?

1.
$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

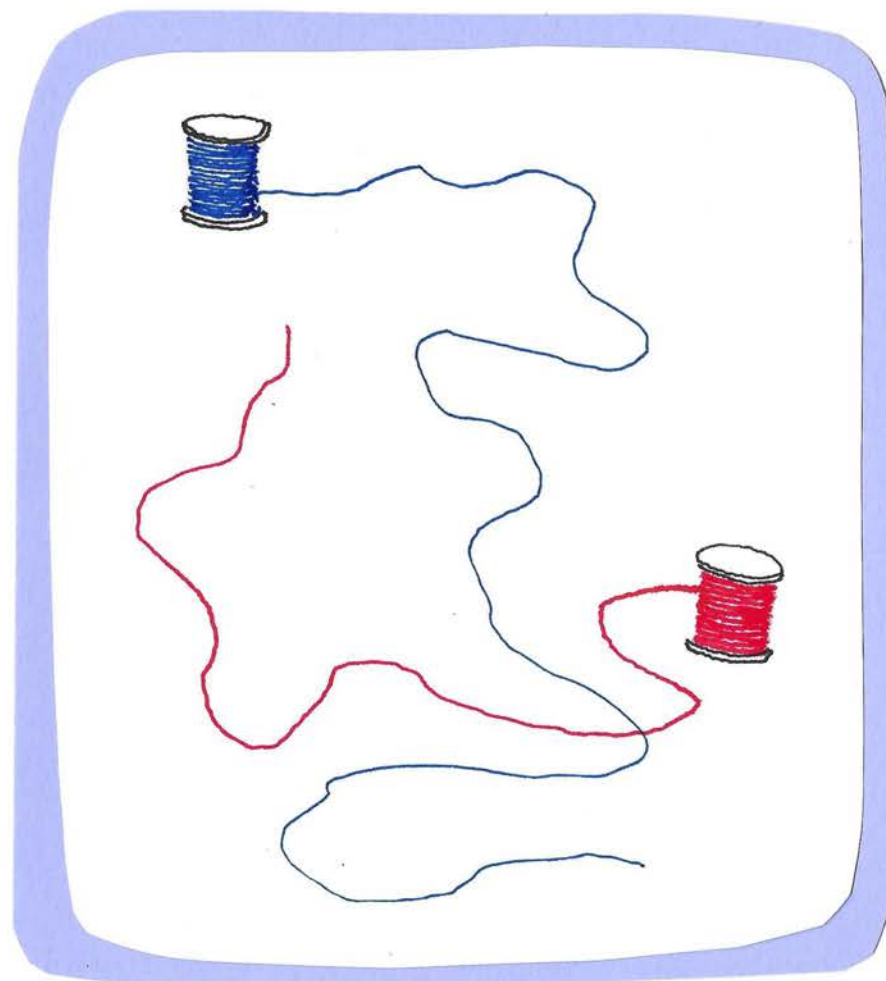
6.
$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$

Chapter 3

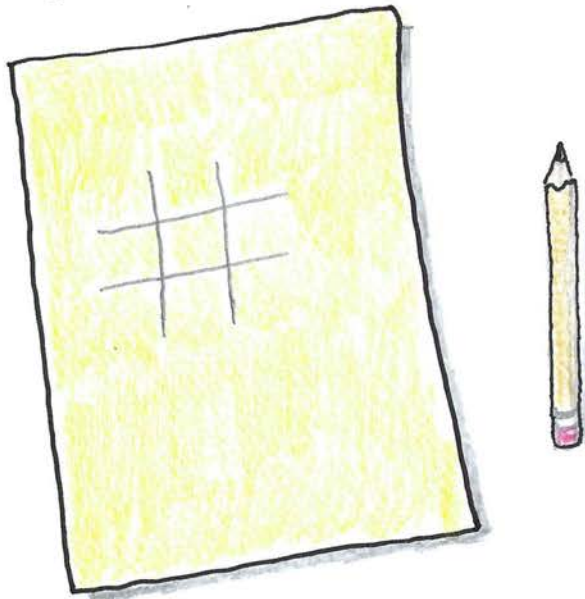
THREADS



Point to the only place in this picture where the blue thread crosses the red thread.

TIC-TAC-TOE ?

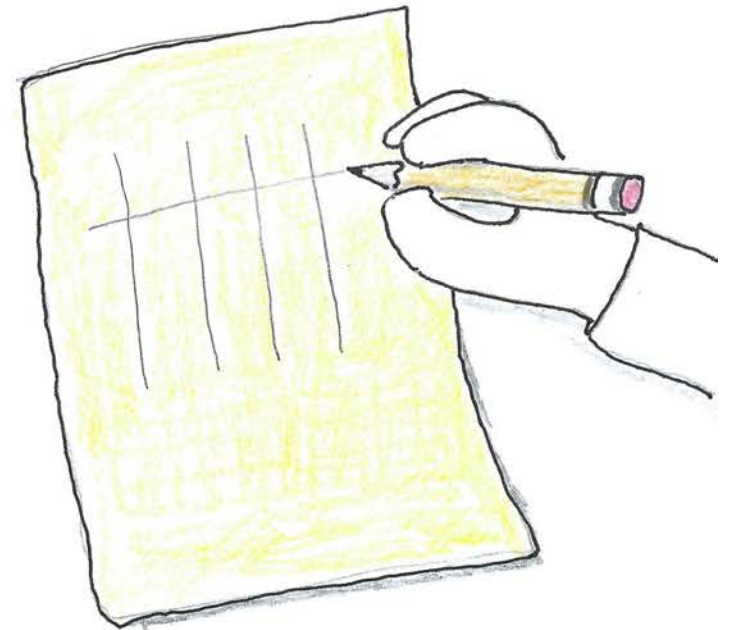
Draw **2** up-and-down lines and **2** sideways lines on a sheet of paper just like this:



In how many places do the sideways lines cross the up-and-down lines?

CROSSING LINES

Draw 4 up-and-down lines on a sheet of paper. Then draw 3 sideways lines so that each sideways line crosses all of the up-and-down lines:



In how many places did your lines cross?

LEARN THE CODE

Look at the code. Then read the words:

IN CODE

IN WORDS

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

Draw 3 up-and-down lines.
Draw 5 sideways lines that
cross the up-and-down lines.

Now try to guess what these mean:

1.
$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

USE THE CODE

Now do what the code tells you to do.
How many times do your lines cross?

1.
$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$