Moving and sequences

Name: _____

Date: _____

Instructions: Look at the picture of the blocks. Fill in the puzzles using the answer bank (a grown-up can read the words aloud). Read the Did you know? box. Number the 4 steps in order, tick True or False, match each word to its meaning, then write short answers.

1. Block puzzles

Answer bank: 3 | 3 | socks | wait

Question	Answer
Cat at start, fish 3 squares right. Move right...	
Up 2 then up 1 more is up...	
The block that pauses is called...	
Shoes go on after...	

About this topic

A sequence is a set of instructions that happen one after another, in order. Coders say the computer runs the sequence from the first step to the last. If you change the order, you change what happens. Putting on shoes then socks gives a very funny result!

Did you know?

- Cartoons are pictures shown in a sequence, very fast.
- A wait block makes movement look smooth like an animation.
- Robots in factories follow the same sequence thousands of times.

Waiting between steps

2. Put the steps in order

Write 1 to 4 in the boxes (1 = first).

- ☐ Plan: Count the moves
- ☐ Test: Run it and watch
- ☐ Start: Find where the sprite or part is now
- ☐ Wait: Add waits so you can see each move

3. True or false?

Order does not matter in a sequence.	☐ True	☐ False
A motion block moves a sprite.	☐ True	☐ False
Computers are very slow.	☐ True	☐ False
Wait pauses the code.	☐ True	☐ False

4. Match up

Write the letter of the right meaning in the box.

Sequence		**A.** A block that moves or turns a sprite.
Run		**B.** Instructions that run one after another, in order.
Motion block		**C.** Where something is, given as numbers.
Position		**D.** To make the computer follow the code.

5. Short answers

1. Which block moves the cat right?

2. Draw arrows to get the cat to the fish.

3. Why add a wait block?

4. Explain in your own words: Explain what a sequence is, in your own words.

5. Stretch: What happens if you put the steps of a sequence in the wrong order?