

# Computing - Test Your Skills

Year 4 Toy Designer



1. Which are **inputs** and which are **outputs**? One has been done for you.

	Input	Output
Keyboard	✓	
Microphone		
Speaker		
Printer		
Scanner		

2 marks

2. Abigail is writing a simple program which needs input from the user. Draw an arrow to the block where the program needs an input from a user.

```

when clicked
say My name is Kevin. for 2 seconds
ask What's your name? and wait
say join Nice to meet you answer for 2 seconds
    
```

1 mark

3. Anaya is designing a doll that squeaks when its tummy is pressed. She wants to create a program to show how her doll works.

Which of these programs could she use to simulate her doll? **Circle one.**

```

when this sprite clicked
play sound Squeaks until done
    
```

```

when clicked
play sound Squeaks until done
    
```

```

when space key pressed
play sound Squeaks until done
    
```

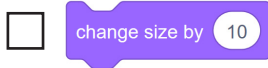
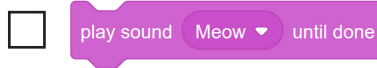
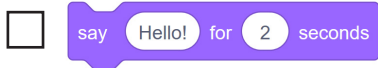
```

when I receive message1
play sound Squeaks until done
    
```

1 mark

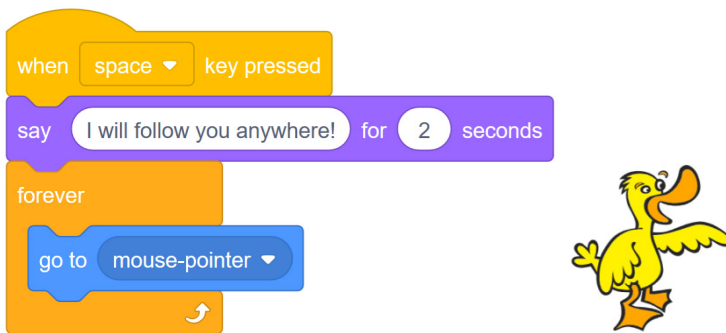
4. Look at the commands below.

Which of these commands allow a computer to accept an input? Tick **two**.



1 mark

5. Grace has created this program. Explain what **two** things her program does.



2 marks

1) \_\_\_\_\_

2) \_\_\_\_\_

6. Complete the following sentence. Choose **one** word from the list.

write                      debug                      delete                      rearrange

1 mark

When I make my program, it is important I ..... it to identify mistakes and problems with my code.

7. Charlotte has created an animation with costumes to make it look like a sprite is walking. The program is very long.

2 marks

```
when clicked clicked
switch costume to elephant-b
move 5 steps
wait 1 seconds
switch costume to elephant-a
move 5 steps
wait 1 seconds
switch costume to elephant-b
move 5 steps
wait 1 seconds
switch costume to elephant-a
move 5 steps
wait 1 seconds
```

A) Explain what command Charlotte could use to make the program shorter.

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B) Where could she put this command?

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/10

Total