

Dog Chase
USE MODIFY CREATE Page 1
Start Scratch and load
dogchase



Count controlled loops

USE (Run the code and answer the questions. Don't make any changes)

Look at the code inside the Girl



Girl Sprite Questions

1, Which block starts the code?

2, What is the first thing the girl says?

3, How many count controlled loops are there?

Count controlled loop

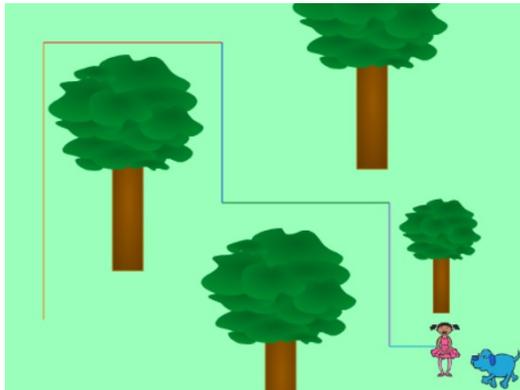


4, How many times will the first **move 1 step** code block be run when the program has started? *HINT What is it inside?*

5, What is the smallest count controlled loop?

6, Each loop draws a line. Draw a line to connect the loop to its coloured line.

7, Which block changes the girls direction?



Look at the code inside the Dog



Dog Sprite Questions

8, Why does the dog wait until the Girl arrives?

9, Which blocks get repeated 20 times?

Now mark your **USE** work using the answer sheep



Name

Dog Chase
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Count controlled loops

MODIFY Questions (Run the code and make changes)

1, Can you make the Girl say something different when she finally finds the dog?
What did you change?



2, Can you make the Girl bump into the dog at the end?
What did you change?



3, Can you make the dog say something after the girl bumps into him?
What code did you add? HINT Wait until touching.....



4, Can you make the dog go twice as fast but still only go the same distance?
What did you change? HINT You will need to make two changes



Now mark your **USE** work using the answer 

Name



Count controlled loops

CREATE INSIDE (Choose one or more of these to make)

1, Design and program your own route through the trees for the girl to take. Keep the code and modify it. Draw your new route on the picture below.



2, Add another character to the woods that the girl meets. Program the character to do or say something when the girl touches them.

3, Program the large tree to say or do something when the girl touches it.

4, Draw a spider sprite that drops out of a tree using the pen command as its web. Drag the sprite to its start position and drag out a go to x and y block so the spider always starts in the same position (initialisation).

CREATE NEW

Design and make your own moving animation using count controlled loops. Draw a picture below to help you plan it.

My idea

My design

Name



Count controlled loops

MODIFY Questions (Run the code and make changes)

1, Can you make the Girl say something different when she finally finds the dog?

What did you change?

Change say there you are to something else (1 mark)

2, Can you make the Girl bump into the dog at the end?

What did you change?

Change repeat 50 count controlled loop to a higher number or increase number of steps (1 mark)

3, Can you make the dog say something after the girl bumps into him?

What code did you add? HINT Wait until touching.....

Add a wait until touching dog section and then a say command after this (1 mark)

4, Can you make the dog go twice as fast but still only go the same distance?

What did you change?

Change repeat 130 to repeat 65 and increase move 2 steps to move 4 steps (1 mark)

Change repeat 120 to repeat 60 and increase move 1 steps to move 2 steps (1 mark)

(other correct answers are available)