

# Make a Card



1. Fold the card in half

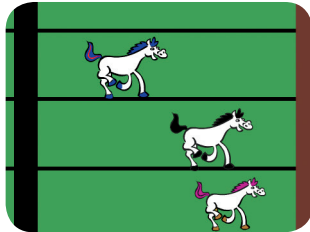
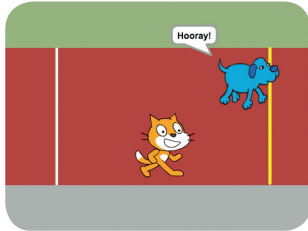


2. Glue the backs together



3. Cut along the dashed line

## Race to the Finish Cards



Make a game where two characters race each other.

## Race to the Finish Cards

Use these cards in this order:

- 1 Start the Race
- 2 On Your Mark
- 3 Reach the Finish Line
- 4 Choose a Racer
- 5 Add a Sound
- 6 Animate the Run
- 7 Race the Computer

# Make a Card



1. Fold the card in half



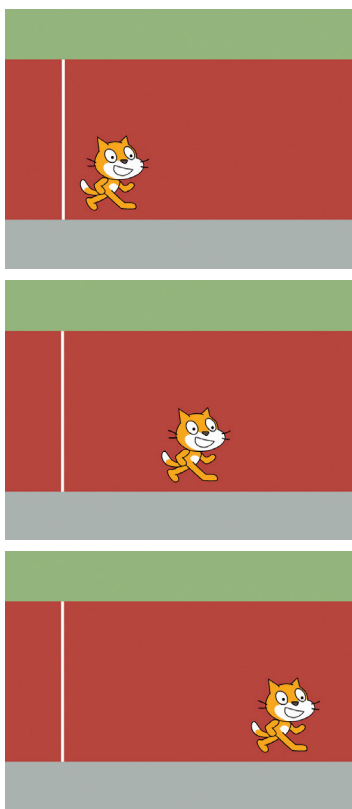
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## Start the Race

Make your sprite move on a racetrack.



Race to the Finish

1



## Start the Race

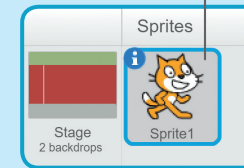
[scratch.mit.edu/racegame](https://scratch.mit.edu/racegame)

### GET READY

New backdrop:  
Choose a backdrop.



Click to select the cat.



### ADD THIS CODE

Click the Scripts tab.

when space key pressed

move 5 steps

Try different numbers to change the speed.

### TRY IT

Press the **space** key to move the sprite.

# Make a Card



1. Fold the card in half



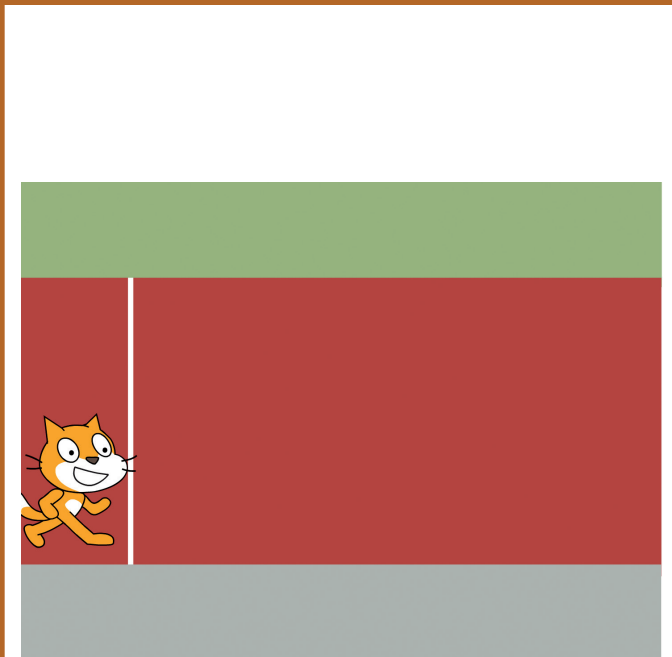
2. Glue the backs together



3. Cut along the dashed line

## On Your Mark

Choose a starting point for your sprite.



Race to the Finish

2

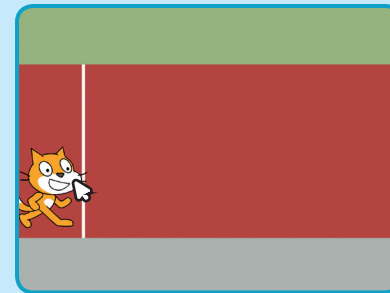


## On Your Mark

[scratch.mit.edu/racegame](http://scratch.mit.edu/racegame)

### GET READY

Drag your sprite to where you want it on the Stage.



### ADD THIS CODE



when  clicked

go to x: **-200** y: **-45**

— Set the starting position.  
(Your numbers may be different.)

### TRY IT

Press the **space** key to move your sprite.

Click the green flag to reset.



# Make a Card



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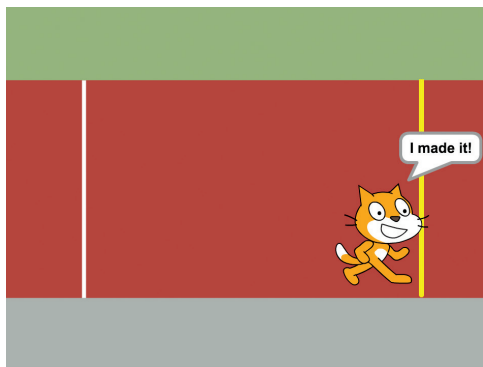
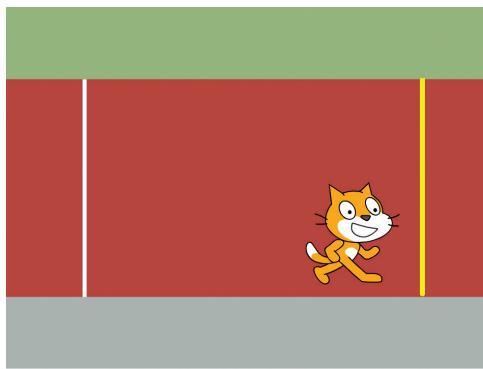
2. Glue the backs together



3. Cut along the dashed line

## Reach the Finish Line

Make your sprite do something when it reaches the finish line.



## Reach the Finish Line

[scratch.mit.edu/racegame](https://scratch.mit.edu/racegame)

### GET READY

Click the paintbrush to draw a new sprite.

New sprite:



Choose the **Line** tool and draw a line.

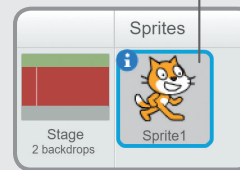
To make a straight line, hold down the Shift key while drawing.

Drag the line (Sprite2) to where you want it on the Stage.

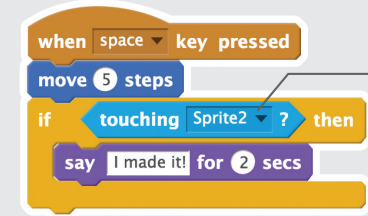


### ADD THIS CODE

Click to select the cat.



Click the **Scripts** tab.



Choose **Sprite2**.

Add these blocks.

### TRY IT

Click the green flag to start.



Keep pressing the **space** key until you cross the finish line!

# Make a Card



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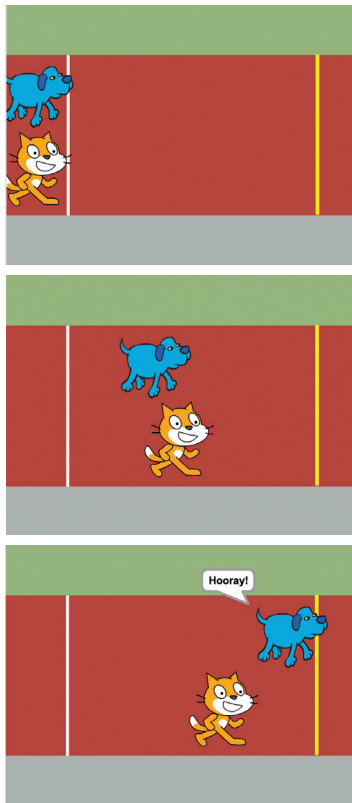
2. Glue the backs together



3. Cut along the dashed line

## Choose a Racer

Add another sprite so you can have a race.



Race to the Finish

4



## Choose a Racer

[scratch.mit.edu/racegame](http://scratch.mit.edu/racegame)

### GET READY

Choose a sprite to be the second racer.

New sprite:   



### ADD THIS CODE

Drag your sprite to where you want it to start.

```
when green flag clicked
  go to x: -200 y: 60
```

Choose **right arrow** or a different key.

```
when right arrow key pressed
  move 5 steps
  if touching Sprite2 ? then
    say Hooray! for 2 secs
```

### TRY IT

Click the green flag to start.



Press the **space** key and the **right arrow** key to make your sprites race.

# Make a Card



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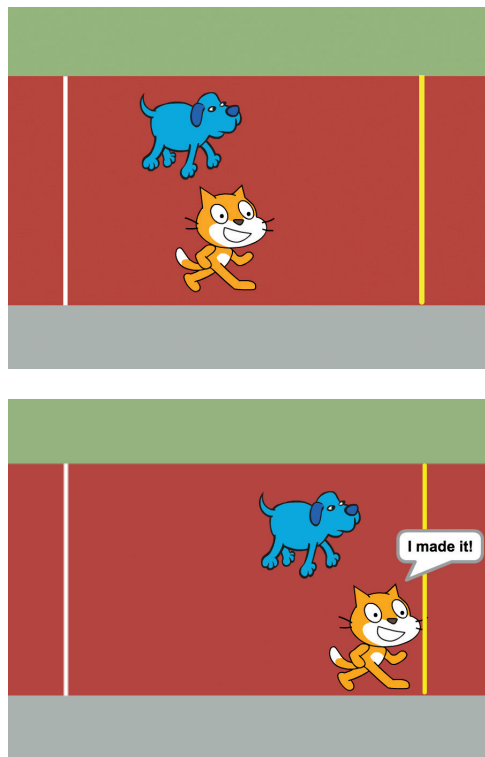
2. Glue the backs together



3. Cut along the dashed line

## Add a Sound

Play a sound when you win the race.



Race to the Finish

5

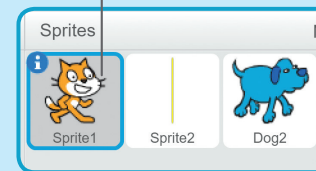


## Add a Sound

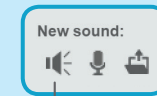
[scratch.mit.edu/racegame](https://scratch.mit.edu/racegame)

### GET READY

Click to select the cat.



Click the **Sounds** tab.



Then choose a sound from the Sound library, like cheer.

### ADD THIS CODE

Click the **Scripts** tab.



— Add this block to play the sound.

### TRY IT

Click the green flag to start.



Press the **space** key until you cross the finish line!

# Make a Card



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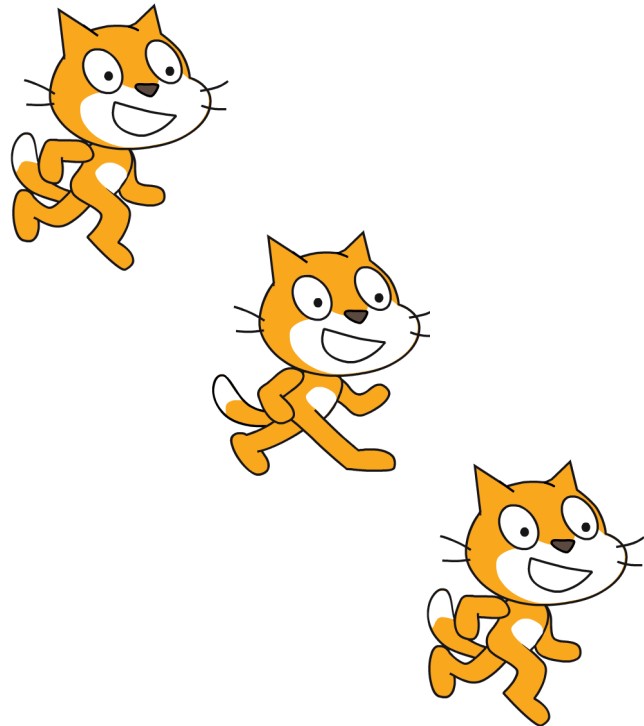
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## Animate the Run

Switch costumes to make your sprite look like it's running.



Race to the Finish

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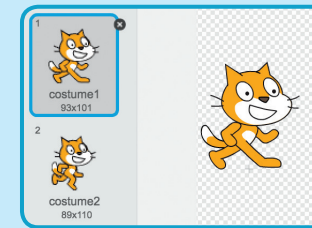


## Animate the Run

[scratch.mit.edu/racegame](https://scratch.mit.edu/racegame)

### GET READY

Click the **Costumes** tab to see your sprite's costumes.



### ADD THIS CODE

Click the **Scripts** tab.



```
when space key pressed
  move 5 steps
  next costume
  if touching Sprite2 ? then
    say I made it! for 2 secs
    play sound cheer
```

Add this block to switch between costumes.

### TRY IT

Press the **space** key.

### TIP

You can animate any sprite that has more than one costume.

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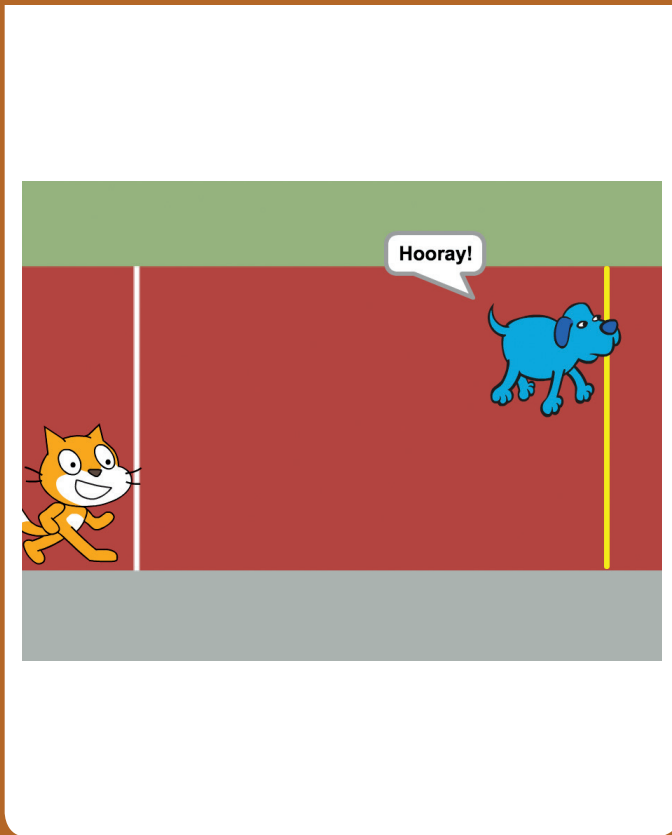
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## Race the Computer

Race against a sprite that moves automatically.



Race to the Finish

7

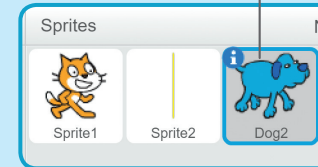
SCRATCH

## Race the Computer

[scratch.mit.edu/racegame](https://scratch.mit.edu/racegame)

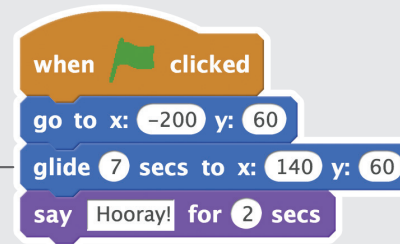
### GET READY

Choose the sprite you want to move automatically.



### ADD THIS CODE

Type a smaller number of seconds to go faster.



### TRY IT

Click the green flag to start.



Press the **space** key to move the other sprite.