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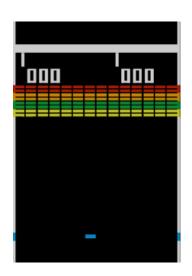
You have a bat and ball and have to knock out the bricks.

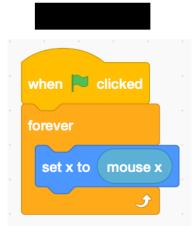
- 1) Make the bat. Create a new sprite and use **paint** to draw a rectangle in the centre.
- 2) Use the mouse to control the bat. Move the bat to the bottom of the screen and add code that sets the x (horizontal) position to mouse x in a loop.
- 3) Make a ball. Create a new sprite and use paint to draw a circle in the centre.
- 4) Add code to make the ball bounce around the screen. Make sure the ball is **show**ing and then **move** the ball inside a loop. Add "**if on edge, bounce**" to bounce off the edges.
- 5) **Hide** the ball if it gets past the bat. Add an **if** block to the loop to detect when the vertical



(y) position of the ball nears the edge, before it bounces.

Experiment with the y position.







6) When the ball is touching the bat it has to bounce off. Add an if block that changes the ball direction, subtracting it from 180° (180 degrees is half a circle).



7) Give the player more control over the bounce by adding the horizontal (x) difference between the ball and the mouse, to the direction.



Add this inside the if block above.

when P clicked

broadcast (pong ▼

touching Ball

show

- 8) Make a brick. Create a new colourful square sprite.
- 9) The brick will disappear when the ball hits it. Use wait until touching Ball.
- 10) To make the ball bounce off the brick, broadcast a 'pong' message to the ball.
- 11) When the ball receives the pong



message it bounces the same way it bounced off the bat.

Click on the green flag to restart the game. Duplicate more bricks. Try adding a score.

Save your code with a good name. **File > Save now**

