Some conjectures initially seem to be valid, but are shown not to be valid after more evidence is gathered.

**Example 1:** Make a conjecture about the lines below:

Conjecture: The horizontal lines are not parallel. When checked, this conjecture is invalid (not true), the lines are parallel.

**Example 2:** Make a conjecture about the grey rectangles:

Conjecture: The rectangles on top are darker than the rectangles on the bottom. The rectangles are in fact the same colour.

The best we can say about a conjecture reached through inductive reasoning is that there is evidence either to support or deny it.

Assignment: pg. 17 #1-3