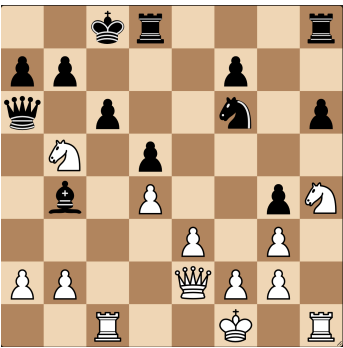
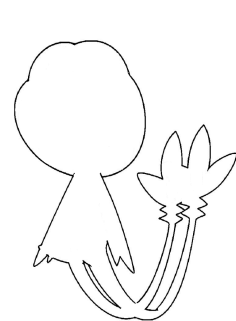


Team Name:

1. What is white's best available move?



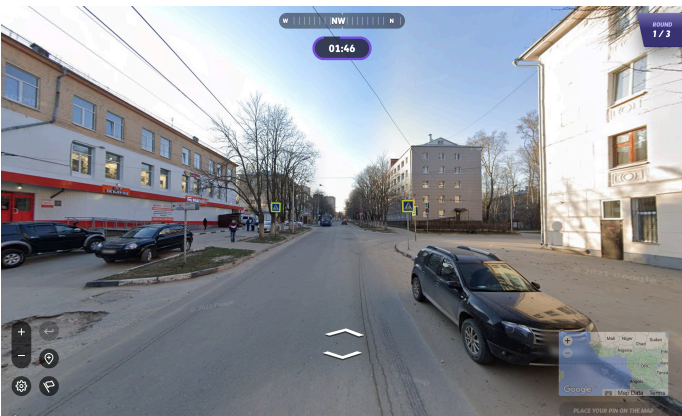
2. Who's that Pokémon?!?!



3. What common phrase is depicted here?



4. Geoguess this location



5.

Problem

When three positive integers  $a$ ,  $b$ , and  $c$  are multiplied together, their product is 100. Suppose  $a < b < c$ . In how many ways can the numbers be chosen?

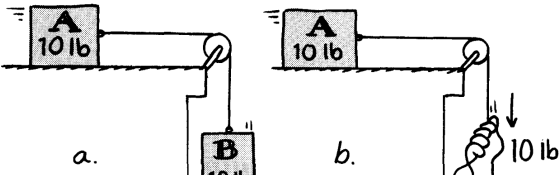
- (A) 0    (B) 1    (C) 2    (D) 3    (E) 4

6.

PULL

Think carefully about this one: In both Case  $a$  and Case  $b$  shown below a net force of 10 lb results in the acceleration of Block A across the table toward the pulley. Disregard friction altogether.\* The acceleration of Block A is

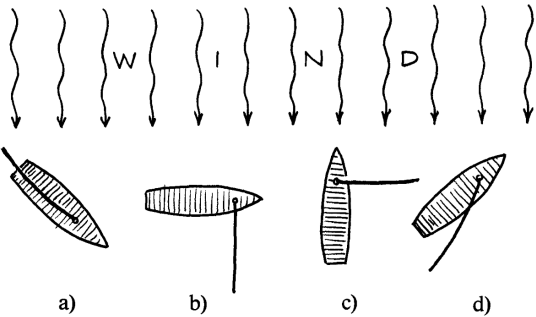
- a) greater in Case  $a$   
b) greater in Case  $b$   
c) the same in both cases



AGAINST THE WIND

7.

This question is to employ your understanding of the 3 previous questions. For the four boats shown note the orientations of the sails with respect to both wind and keel directions. Which of these boats moves in a forward direction with the greatest speed?



8. (Riddle component) Which Washington city flies this flag?

