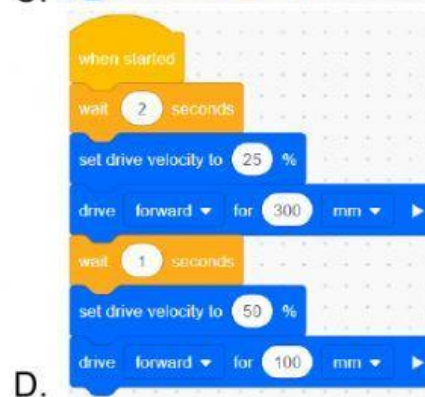
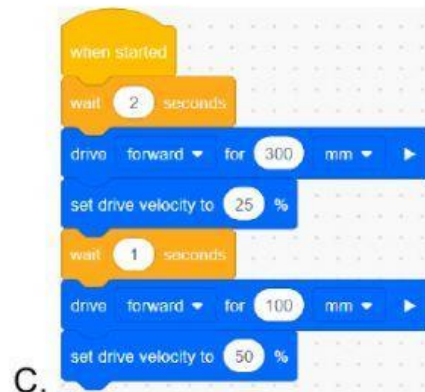
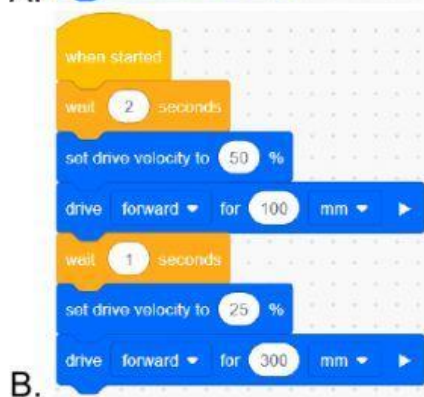
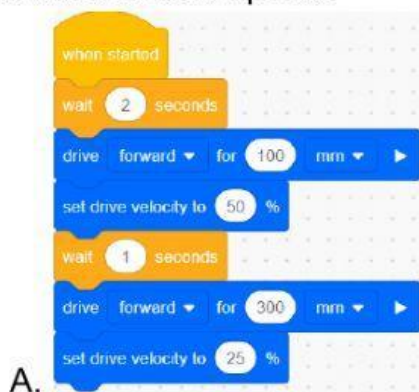


VEXcode VR Alpha

Lesson 2: Setting Velocities for Driving

Direction: Select the correct answer for each item.

1. The speed value for **set drive velocity** block ranges from 1% to 100%.
A. True
B. False
C. Maybe
D. Cannot be answered
2. The **wait** block waits for a specific amount of time before moving to the next block.
A. True
B. False
C. Maybe
D. Cannot be answered
3. The **set drive velocity** block sets the number of wheel rotations done by the robot as it travels.
A. True
B. False
C. Maybe
D. Cannot be answered
4. Which of the following programs makes a robot wait for 2 seconds before moving 300 mm forward at 25% speed and wait for 1 second before moving another 100 mm forward at 50% speed?



5. Which of the following makes a robot move 400 mm forward at 50% speed and move 100 mm backward at 30% speed?



6. Which of the following shows a robot that moves 400 mm forward, pauses for 1 second, moves 200 mm backward, pauses for 2 seconds and moves another 100 mm forward?



7. Which of the following describes the program below?



- A. The robot moves 250 mm forward for 2 seconds before it moves 50 mm backward.
 - B. The robot moves 250 mm forward for 2 seconds and then moves 50 mm backward.
 - C. The robot moves 250 mm forward and 50 mm backward for 2 second each.
 - D. The robot moves 250 mm forward then pauses for 2 seconds before it moves 50 mm backward.
8. The **set velocity drive** block is set _____ a **drive** block so that the speed of a robot is put to a specific level.
9. The **wait** block is found under the _____ tab.
10. Ausca is a _____ robot.