____ 26. If a bicyclist travels 30 kilometers in two hours, her average speed is
   a. 30 km/h.
   b. 60 km/h.
   c. 15 km/h.
   d. 2 km/h.

____ 27. To **determine the acceleration** rate of an object, you must **calculate the change in velocity** (ending velocity - beginning velocity) **and divided by**
   a. speed.
   b. time.
   c. motion.
   d. deceleration.

Modified True/False

Indicate whether the sentence or statement is true or false.

Drag and Drop to make the false statements true

WORD BANK: (SOME CORRECT ANSWERS MIGHT NOT BE IN THE BANK)

acceleration speed not moving horizontal plates

____ 28. The SI unit of velocity is the meter per second per second. _____

____ 29. A child riding on a merry-go-round is accelerating because his direction is changing. _____

____ 30. If one toy car is traveling at 10 cm/s and another toy car is moving at 10 cm/s in the opposite direction, both cars have the same velocity. _____

____ 31. A cyclist travels 20 km in half an hour. Her average speed is 10 km/h. _____

____ 32. A person standing on a moving escalator is moving relative to another person standing on the escalator. _____

____ 33. Motion is measured relative to a reference point. _____