

## 110. speed and velocity

Name:

CLASS: 5/

Q1: Drag and drop to complete the following:

Direction – distance – time – time -change of speed

1. The equation of the speed equals

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

2. The equation of the velocity equals

$$\text{Velocity} = \frac{\text{Distance}}{\text{Time}} + \text{Direction}$$

Q2: Drag and drop; Velocity Vs Speed

A car travelling at 80 km/h northern east	The bicycle speed was 16 km/h	Distance ÷ time
Has magnitude only	Has magnitude and direction	Rate of the change of speed
Velocity		Speed

Q3: calculate:

1. The speed of a vehicle is 60 km in two hours.

$$\text{Speed} = \text{Distance} \div \text{time} = \boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}} \boxed{\phantom{00}}$$

2. The velocity of a car was travelling east in 20 meter/second then the speed changed into 40 meters/ seconds in 10 seconds

$$\text{Velocity} = (V_2 - V_1) \div \text{time} = \boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}} \boxed{\phantom{00}} \boxed{\phantom{00}}$$