

Quiz 1-A

Name: _____

ID: _____

1. You are standing on the floor and your mass is 60 Kg. Then the net force on you is
a. 60 N b. 600 N c. 600 Kg **d. zero**
2. Planet X is smaller than planet Y. If your mass on planet X is 60 Kg, then your mass on planet Y is
a. smaller b. larger **c. the same** d. multiplied by 10
3. The pull of the moon on an object is called
(a) weight (b) force of gravity **c. both (a) and (b)** d. none
4. Comparing a 2-Kg block of iron and a 3-Kg block of wood, which one has more weight
a. the iron block **b. the wood block** c. they have same weight
5. The quantity of matter in an object. This is the definition of
a. mass b. inertia c. weight d. the kilogram
6. The average speed of a car that travels one hour at a speed of 60 Km/h and the second hour at a speed of 100 km/h is
Answer is: **80 km/h**
7. What is the net force on an object that is pushed to the right by a force of 50 N and to the left by a force of 20 N and it is moving at constant velocity
a. 50 N b. 70 N c. 20 N **d. zero** e. 30 N
8. A black ball sits at rest. A white ball moves at a constant speed in a straight line. Which one is in equilibrium
a. The black ball b. The white ball **c. Both balls** d. None
9. The difference between velocity and speed is
a. magnitude b. value **c. direction** d. average speed
10. Convert 30 km/h to m/s
Answer is: **8.3 m/s**

Quiz 1-C

Name: _____

ID: _____

- The resistance of an object to the change in its state. This is the definition of
a. mass **b. inertia** c. weight d. the kilogram
- A 2-Kg block of iron and a 3-Kg block of wood. Which one has more inertia
a. the wood block b. the iron block c. they have same inertia
- You are sitting on the chair and your mass is 72 Kg. Then the net force on you is
a. 720 kg **b. zero** c. 720 N d. 72 N
- Planet X is smaller than planet Y. If your mass on planet X is 60 Kg, then your mass on planet Y is
a. multiplied by 10 b. larger **c. the same** d. smaller
- The pull of the moon on an object is called
a. force of gravity b. weight **c. both a and b** d. none
- The average speed of a car that travels 30 minutes at a speed of 50 Km/h and one hour at a speed of 80 km/h is
Answer is: **70 km/h**
- What is the net force on an object that is pushed to the right by a force of 40 N and to left by a force of 20 N and it is moving at constant velocity
a. 60 N **b. 0 N** c. 20 N d. 20 N e. 30 N
- A black ball sits at rest. A white ball moves in a straight line. Which one of the balls must be in equilibrium
a. The black ball b. The white ball c. Both d. None
- The difference between velocity and speed is
a. magnitude b. value **c. direction** d. average speed
- Convert 30 m/s to km/h.
Answer is : **108 km/h**

Quiz 1-D

Name: _____

ID: _____

1. You are sitting on the chair and your mass is 55 Kg. The net force on you is
a. 50 N b. 550 N c. 550 Kg **d. zero**
2. Planet X is larger than planet Y. If your mass on planet X is 75 Kg, then your mass on planet Y is
a. smaller b. larger **c. the same** d. multiplied by 10
3. The pull of the moon on an object is called
a. weight b. force of gravity **c. both a and b** d. none
4. A 4-Kg block of wood and a 4-Kg block of iron. Which one has more weight
a. the iron block b. the wood block **c. they have same weight**
5. The quantity of matter in an object. This is the definition of
a. inertia **b. mass** c. weight d. the kilogram
6. What is the net force on an object that is pushed to the right by a force of 95 N and to left by a force of 5 N and it is moving at constant velocity
a. 5 N b. 90 N c. 100 N **d. zero** e. 50 N
7. A black ball sits at rest. A white ball moves at a constant speed in a straight line. Which one is in equilibrium
a. The black ball b. The white ball **c. Both** d. None
8. You drive your car a distance of 90 Km in 2 hours, and then a distance of 120 km in 50 minutes. Your average speed is
Answer is: **74 km/h**
9. Convert 67 km/h to m/s
Answer: **18.6 m/s**
10. If you hang a 5.5 Kg bag on a rope, the tension in the rope is
a. 5.5 kg b. 55 kg a. 5.5 N **c. 55 N**

Quiz 1-D2

Name: _____

ID: _____

1. If you hang a 7.7 Kg bag on a rope, the tension in the rope is
a. 77 N b. 7.7 N a. 77 Kg c. 7.7 Kg
2. The quantity of matter in an object. This is the definition of
a. inertia b. mass c. weight d. the kilogram
3. What is the net force on an object that is pushed to the right by a force of 75 N and to left by a force of 5 N and it is moving at constant velocity
a. 25 N b. 70 N c. 80 N d. zero e. 50 N
4. A black ball sits at rest. A white ball moves at in a straight line. Which one must be in equilibrium
a. The black ball b. The white ball c. Both d. None
5. You drive your car a distance of 80 Km in 1 hour, and then a distance of 110 km in 40 minutes. Your average speed is
Answer is: 114 km/h
6. Convert 72 m/s to km/s
Answer: 259 km/h
7. You are sitting on the chair and your mass is 80 Kg. The net force on you is
a. 800 N b. 80 N c. 800 Kg d. zero
8. Planet X is larger than planet Y. If your mass on planet X is 75 Kg, then your mass on planet Y is
a. larger b. smaller c. the same d. multiplied by 10
9. The pull of the moon on an object is called
a. weight b. force of gravity c. both a and b d. none
10. A 4-Kg block of wood and a 4-Kg block of wood. Which one has more volume
a. the iron block b. the wood block c. they have same weight