***ANSWERS***

**ANSWER 1:** To determine the resultant force, the forces going in the same direction are calculated then subtracted from the forces going in the other direction.

5 + 10 = 15N EAST

20 – 15 = 5N RESULTANT FORCE WEST

**ANSWER 2:**

The forces going in the opposite directions are subtracted

20-20=0 N 20-4=16 N RESULTANT FORCE WEST

**ANSWER 3:**The formula of **TIME\*VELOCITY=ROAD** is used to find the road in the Velocity- Time graphic,

25\*20=500m

**ANSWER 4 :** 500 X 60 = 30000 cm = 300 m.

**Note:** 1 m = 100 cm.

**ANSWER 5**: II-I-III-V-IV-VI

**ANSWER 6:** Mercury – Venus – Earth – Mars – Jupiter – Saturn – Uranus – Neptune.

**ANSWER 7:** 1.Newton 2.kg 3**.** dynamometer

**ANSWER 8**:Mass and Newton is in direct proportion.If it weighs 100N at 2m.it weighs 50N at 1m and ıt is same for the third one again.At 3 m,50\*3=150N accordingly

**ANSWER 9:** 60/6=10N

**ANSWER 10:**1.b ,2.c,3.a