**Question Set A**

1. A man walks 15 km in 2 hours and 4 km in 1 hour in the *same direction*.
   1. What is the man's average speed for the whole journey?
   2. What is the man's distance for the whole journey?
   3. What is the man's displacement for the whole journey?
2. A jogger runs at 5 m/s for 35000 meters.
   1. How long did they run in seconds?
   2. How long did they run in minutes?
3. The cross-country team begins to run (at an average speed of 6 miles per hour) at the school. They run 12 miles turn around and finish back at the school.
   1. What is their displacement?
   2. What is their distance?
   3. How long were they running?
4. The mailman walks his route in 5 hours. He walks 4 miles an hour. How long is his route?

**Question Set B**

1. The cross-country team begins running at the school, they run 2 miles north, 3 miles east, 2 miles south and 3 miles west and finish back at the school. They begin running at 4:00 pm and finish running at 4:45 pm.
   1. What is the team's average speed for the whole journey?
   2. What is the team’s distance for the whole journey?
   3. What is the team’s displacement for the whole journey?
2. A man walks 12 km in 2 hours and 5 km in 1 hour in the opposite direction.
   1. What is the man's average speed for the whole journey?
   2. What is the man's distance for the whole journey?
   3. What is the man's displacement for the whole journey?
3. If you leave Gallup at 6 am and drive until 2 pm and your average speed is 70 mph. How far can you travel?
4. If Albuquerque is 134 miles away and you travel in Cheii’s truck and it can only go 40 miles an hour, how long are you in the truck?

**Question Set C**

1. You start walking from a point on a circular track with a radius of 0.25 km and 3/4 hour later you are at the same point.
   1. What is your average speed for the whole journey in km/hr?
   2. What is your average distance for the whole journey?
   3. What is your average displacement for the whole journey?
2. Mary drove North 75 km at 100 km/h and then East 63 km at 800 km/h. Determine:
   1. What is her average speed for the whole journey?
   2. What is her distance for the whole journey?
   3. What is her displacement for the whole journey?
3. The mailman walks his route in 5 hours. He walks 1.5 m/s.
   1. How long is his route?
   2. How fast would he have to walk to finish in 3 hours?
4. If Albuquerque is 134 miles away and you travel in Cheii’s truck and it can only go 40 km/hr, how long are you in the truck? (Be careful you must convert km/hr to miles per hour)