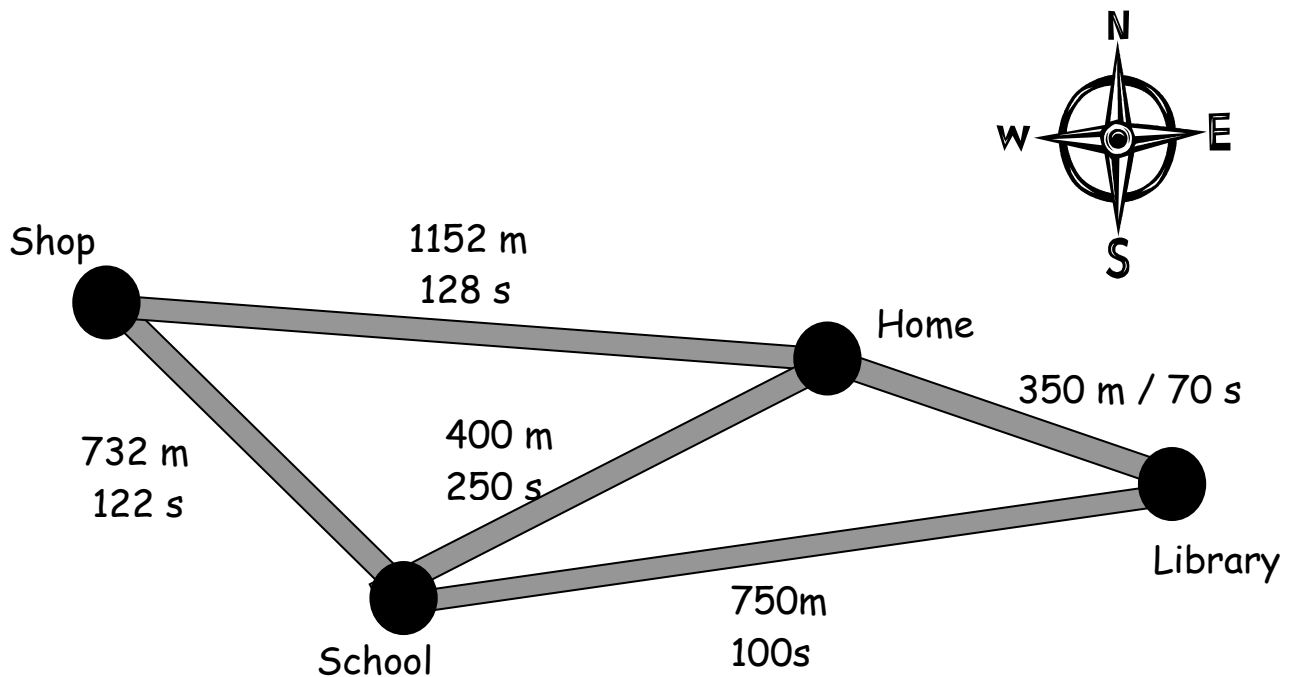


### **REVISION OF S1 TRANSPORT MATERIALS**

Answer the following questions in full in your jotter as neatly as possible. This material will be used as part of the N4 & 5 course, so it is important to be recorded correctly.

1. When answering calculation questions in Physics what is the acronym (collection of letters, which make up the first word of another word) to help you remember how to lay out questions?
2. Describe the meaning of average speed.
3. How would you find your average speed?
4. What is the formula for average speed, include what the letters mean and the units of each?
5. Describe the meaning of instantaneous speed.
6. What is the formula for instantaneous speed, include what the letters mean and the units of each?
7. Describe the meaning of uniform speed.
8. What is the formula for uniform speed, include what the letters mean and the units of each.
9. What is the link between thinking distance, braking and stopping distance?
10. Describe the meaning of distance
11. Describe the meaning of displacement.
12. Describe the meaning of velocity.
13. What is the formula for velocity, include what the letters mean and the units of each
14. What is the difference between a scalar and vector quantity?
15. List 4 scalar and 4 vector quantities, give your answer in a table with appropriate headings

16. Find the average speed from the shops to home via the school and library.



17. Find the average velocity for the journey given above.

18. A man walks 1000m north and then walks 400m east before going south for 700m, find the final displacement of the man.

19. If the man above has taken 5 minutes to do the journey, calculate

- The man's average speed.
- The man's average velocity.

20. In the back of your book make a table as below and fill in all the quantities that you met in S1 Physics.