

### Vectors in one dimension

1. Copy out the table and put the quantities listed in the correct column.

**Displacement, time, speed, velocity.**

Vector	Scalar

2. A boy runs 3.5 m West and then 4.5 m East and then 9.3 m West. He does this in 30.3 s.

i) Using an appropriate scale, draw each vector head to tail and include the resultant.

ii) Calculate the distance the boy has run.

iii) Calculate the speed of the boy. (two decimal places only)

iv) Measure or calculate the boy's displacement from where he started.

v) Calculate the boy's velocity. (two decimal places only)