Motion Practice

Name: _____

For each of the following, indicate whether each measurement is a Scalar or Vector quantity

1) 5Km _____

2) 27s _____

3) 5m North _____

4) 15m/s South _____

5) 9.8m _____

6) 9.8m/s^2 down _____

7) 43Kg _____

8) 75Km _____

9) 15m up _____

10) 215cm left _____

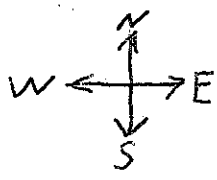
11) 1,735 Km East _____

12) 2,000 mL _____

13) 200mL/min West _____

14) 57 Kg _____

Draw a free-body vector diagram for each of the following measurements:



15) 1m East

16) 2m West

17) 3m North

18) 4m South

19) 5m East

20) 6m West

21) 7m North

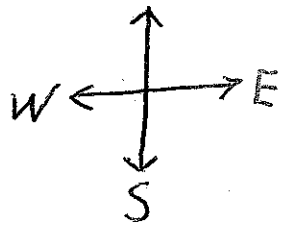
22) 8m South

23) 1.5m East

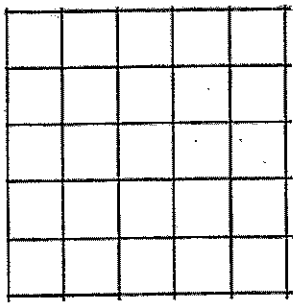
24) 2.5m West

25) 4.5m North

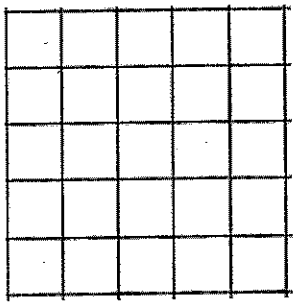
Draw a scaled vector diagram for each of the following measurements (**Each square is 1m**)



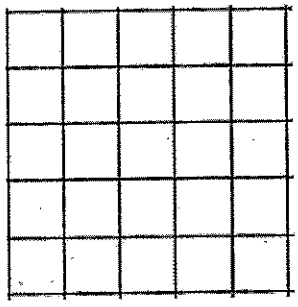
1) 3m North



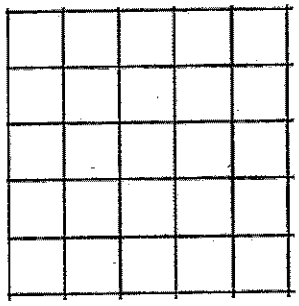
2) 1m East



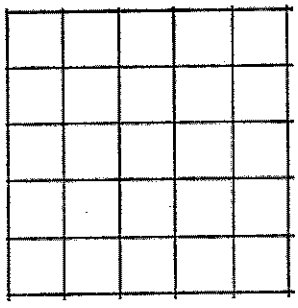
3) 2m West



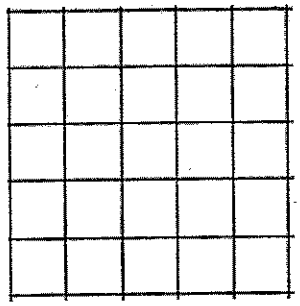
4) 3m East



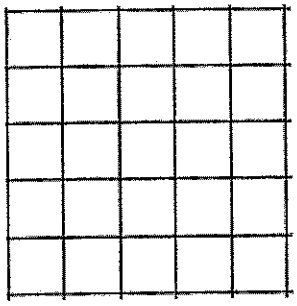
5) 2.5 m North



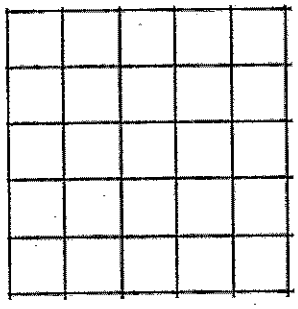
6) 2m South



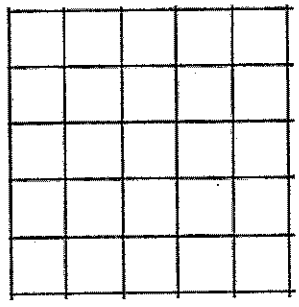
7) 4m West



8) 4m North



9) 3.5m South



10) 3.5m East