

TOPIC: SCALE- DEFINITION AND TYPES

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OBJECTIVES

- EXPLANATION OF THE TERM ‘SCALE’
- ILLUSTRATIONS OF THE DIFFERENT FORMS OF SCALE

SCALE IS THE RATIO THAT THE DISTANCE BETWEEN TWO POINTS ON THE MAP BEARS TO THE DISTANCE BETWEEN THE CORRESPONDING POINTS ON THE GROUND



SCALE=MAP DISTANCE/GROUND DISTANCE

**OR
XY/AB**

‘RATIO’ CAN BE EXPRESSED IN THREE WAYS:

- STATEMENT
- REPRESENTATIVE FRACTION
- GRAPHICALLY(LINEAR)

STATEMENT SCALE/ WORD SCALE/ WRITTEN

One inch equals four miles

REPRESENTATIVE FRACTION

1:250,000 or $\frac{1}{250,000}$

LINEAR/ BAR SCALE



TYPES OF LINEAR SCALE

- PLAIN
- COMPARATIVE- UNIT, TIME, PACE AND REVOLUTION
- DIAGONAL
- VERNIER- POSITIVE AND NEGATIVE





