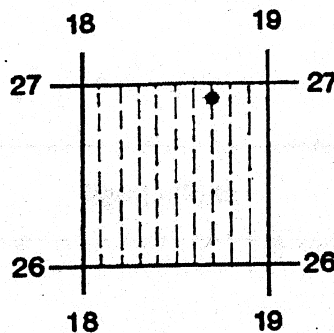# Grid References

To give the **exact** location of a point in a grid square, a **six** figure grid reference is necessary.  For example, to give the grid reference (GR) of point A in Figure 5, follow these steps.  Once again, we use 'LEN'

1    Find the L:  The bottom left hand corner of the grid.

2    Go East:  Select the easting, which is 18. Imagine that between easting 18 and 19 is divided into ten equal parts.  (Figure 6 shows this for you but on maps you have to imagine these divisions).
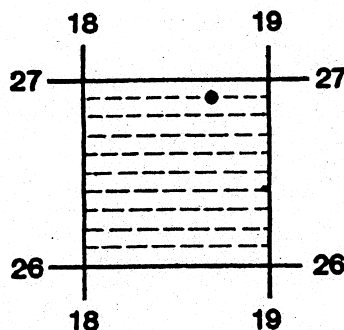
**Figure 6**



Part A is about 7 parts further to the east, so we say its easting location is **187**. This is the first half of the grid reference.

3    Go North.  Select the northing, which is 26.  Imagine ten divisions between northing 26 and 27, as shown in Figure 7.
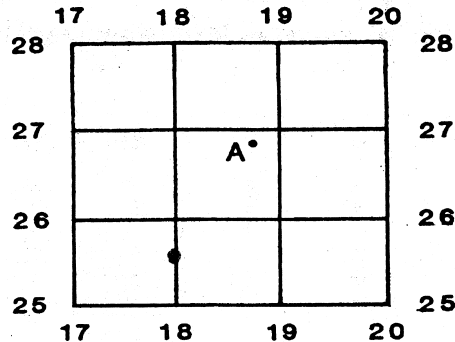
**Figure 7**



Point A is 9 divisions north of northing 26, so its northing location is **269**.

Therefore the grid reference (GR) for Point A is **187269**.

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*Complete Activities 3 & 4*
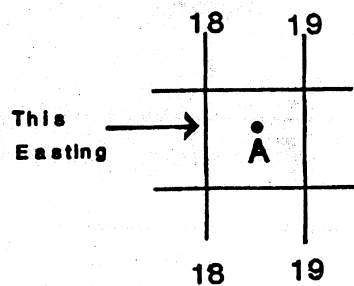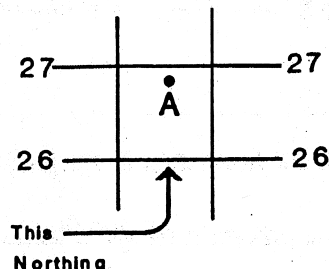
# Area References

Figure 5



In order to give the location of a specific grid (or square) on a map, a **four** figure area reference may be given. For example, let's say we want to give the location of the grid square in which Point A is located (in Figure 5).

This is how it's done, using the special code word 'LEN'.

1     L means to '**find the L**'. This is the bottom left hand corner of the grid square. It forms an **L** shape. Find A in Figure 5 and the **L** of its grid square.

2     E means to '**go east**'! Select the easting (vertical line) that forms the left boundary of the grid square. For A, this easting is 18.



3     N means to '**go north**'. Select the northing (horizontal line) that forms the bottom line of the grid square. For A, this northing is 26.



Therefore the area reference for point A is **1826**. It is written as **AR 1826**.