

EJERCICIOS DEL TEMA 5. APARTADO 1. SOLUCIÓN:

Complete these sentences.

We can only measure a movement in relation to a REFERENCE SYSTEM

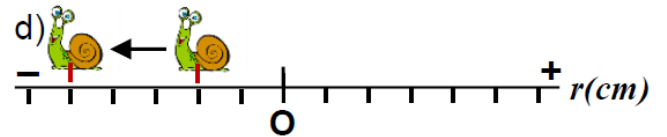
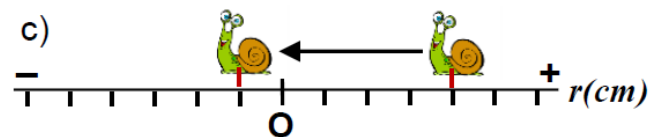
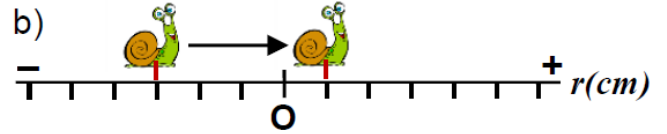
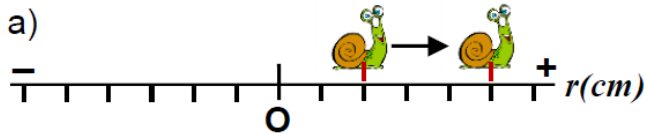
The POSITION of a mobile object says where it is.

The DISPLACEMENT says how many meters the object has moved.

Planets around the Sun describe ELLIPSES

The trajectory of a movement may be RECTILINEAR or CURVED.

In each case, write the initial and final positions of the snail, and calculate its displacement.



a) $d = x_f - x_i = 5 \text{ m} - 2 \text{ m} = 3 \text{ m}.$

b) $d = x_f - x_i = 1 \text{ m} - (- 3 \text{ m}) = 1 + 3 = 4 \text{ m}.$

c) $d = x_f - x_i = - 1 \text{ m} - 4 \text{ m} = - 5 \text{ m}.$

d) $d = x_f - x_i = - 5 \text{ m} - (- 2 \text{ m}) = - 5 + 2 = - 3 \text{ m}.$