A relation is a way of describing how things are related to each other: 3<1 False ASB ae A 3 12 a+b=c3/11

Example let $A = \{1, 2, 3, 4, 5\}$ Consider the less than \(\circ\)

relation,

What are some true \(\circ\) statement

ne can make about numbers of A?

152, 243, 3<7, 4<5, 145,144,143 2<4,2<5,3<5 this list has all interntion about < on the set A Dets wife this list: $R=\{(1,3),(2,3),(3,4),(4,5),(1,5),(1,4)\}$ IDEA: this set / contains all into about "(" on the set {1,1,3,4,5} It all you and can do is ash

" (a,b) & R" topsk is 3<5, (3,5) ER? is 4<17 is (4,1) FR? No, 50 44

Defin a relation R on a set

A is a set of ordered pairs
of elevents of A

RSA

RSA

RSA

AXA