Answer on Question #58058 – Math – Discrete Math

Question

1. Any bunch of numbers is a _____ ,so long as the numbers come in pairs.
   group
   domain
   axiom
   relation

Solution

Any bunch of numbers is a relation, so long as the numbers come in pairs.
Answer: relation

Question

2. A ____ is just a set of ordered pairs.
   sets
   functions
   partition
   relation

Solution

A relation is just a set of ordered pairs.
Answer: relation

Question

3. Let N ={1,2,3,4,5,â€¦â€¦â€¦.}, E = {2,4,6,â€¦â€¦.}, F = {1,3,5,â€¦â€¦..}. Then, {E,F} is a _____ of N.
   functions
   partition
   relation
   sets

Solution

$\{E, F\}$ is a partition of N.
Answer: partition.

Question

4. A relation is a _____ ordering,if it is reflexive,anti- symmetric and transitive.
   partial
   complex
   group
   equal

Solution

A relation is a partial ordering, if it is reflexive, anti- symmetric and transitive.
Answer: partial.

Question

5. A relation is a set of an _____ relation,if it is reflexive,transitive and symmetric.
   simple
   equal
   balance
   equivalence

Solution

A relation is a set of an equivalence relation, if it is reflexive, transitive and symmetric.
Answer: equivalence.