

30 A farmer bred together male cattle with white hair and female cattle with red hair. All the offspring produced had roan hair (a mixture of red and white).

He then repeatedly bred together two roan cattle, and the offspring were in the ratio of 1 red : 2 roan : 1 white.

What explains why the farmer obtained this ratio?

- A** The red phenotype is dominant to the white phenotype.
- B** The roan phenotype is an example of codominance.
- C** The roan phenotype is dominant to the red phenotype and the white phenotype.
- D** The white phenotype is dominant to the red phenotype.