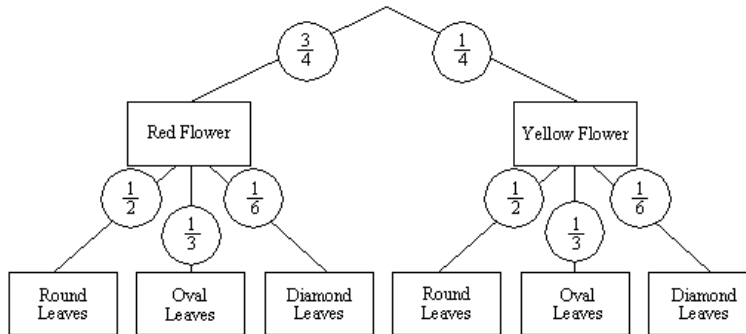


# Flowers and trees

This task is about working out probabilities from a tree diagram.

Rose-Anne went to a garden centre and bought a mix of seeds. She was told that the seeds would grow into plants which would have either red or yellow flowers and either round, oval, or diamond shaped leaves.

Below is a tree diagram showing the possible characteristics and the probabilities of a plant having these characteristics.



a) Which combination of flower colour and leaf shape is least likely?

- i) flower colour: \_\_\_\_\_
- ii) leaf shape: \_\_\_\_\_

b) Rose-Anne randomly picked out a seed. What is the probability that it will have ...

- i) red flowers? \_\_\_\_\_
- ii) round leaves? \_\_\_\_\_
- iii) red flowers and diamond leaves? \_\_\_\_\_
- iv) yellow flowers and oval leaves? \_\_\_\_\_