

HELP THE ELVES

The Elves have three colours of paint:



red

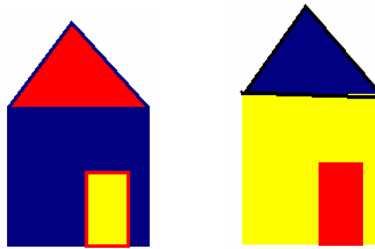


yellow



blue

They decide to use the paint to decorate their houses. Each elf will paint his roof in one colour, the door in another colour and the walls in the last colour.

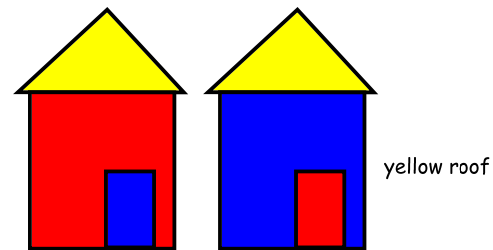
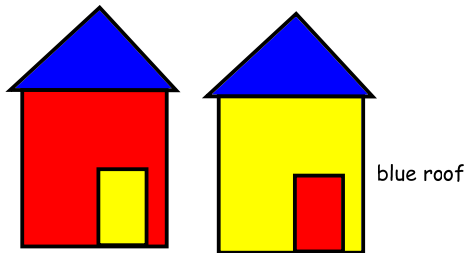
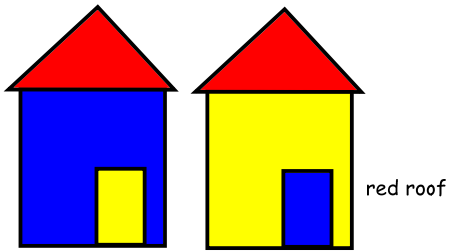


- How many different ways did the Elves find to paint their houses?
- Some Elves thought they would like the roof and the door the same colour, how many different houses are there now?

Learning and Teaching Objectives

- Be able to describe how possibilities have been ordered
- Be able to check for repeats
- Record in an appropriate way (drawings, symbols, ordered table)

Help the Elves Solution
There are 6 possible houses



Roof and door the same colour:

