

# The Pet Shop Puzzle

A pet shop has 7 pets for you to choose from. You can buy 3 pets on each visit e.g. cat, dog, mouse.

You cannot buy 2 of the same pet in any one visit e.g. cat, cat, dog.

**Work out how many different ways can you buy 3 pets.**

Use whichever method you wish to find out how many possibilities there are. If you find your method is not working then just start again.

There are lots of ways to find the answer though some work better than others, so keep trying until you find a method that works for you. Your neighbour might be doing something different to you – but that does not mean their way is “right” or “better”, so do your own thing!

