

MATH PROBLEM OF THE WEEK #1

Answer

1. Assume your cats are named Black and White. You know that one of them is male. Here are the possibilities:

- (a) Black is male and White is female.
- (b) White is male and Black is female.
- (c) White is male and Black is male.

So – there are three possibilities. The possibility that both Black and White are male is one in three.

2. Same facts, but we know that Black is male. Now there are two possibilities:

- (a) Black is male and White is female.
- (b) Black is male and White is male.

So – the possibility that both Black and White are male is one in two.