Using Proportions

The ratio of black cars to white cars in the school parking lot is 3:5.

1) If there are 57 black cars, how many white cars are there?

2) If there are 65 white cars, how many black cars are there?

The ratio of latino students to polynesian students is 7:4.

3) If there are 56 polynesian students, how many latino students are there?

4) If there are 63 latino students, how many polynesian students are there?

The ratio of apple trees to nectarine trees in an orchard is 6:5.

5) If there are 348 apple trees, how many nectarine trees are there?

6) If there are 560 nectarine trees, how many apple trees are there?

A chemical solution contains 3 parts acid for every 22 parts water.

7) If there are 51 parts acids, how many parts water are there?

8) If there are 814 parts water, how many parts acid are there?

The ratio of green M&Ms to blue M&Ms in a bag is 4 to 9.

9) If there are 36 green M&Ms, how many blue are there?

10) If there are 135 blue M&Ms, how many green are there?

In a herd of animals on the African savannah the ratio of wildebeest to gazelle is 11:3.

11) If there are 2,310 wildebeest, how many gazelle are there?

12) If there are 447 gazelle, how many wildebeest are there?