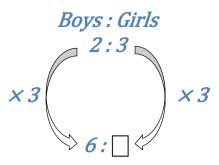


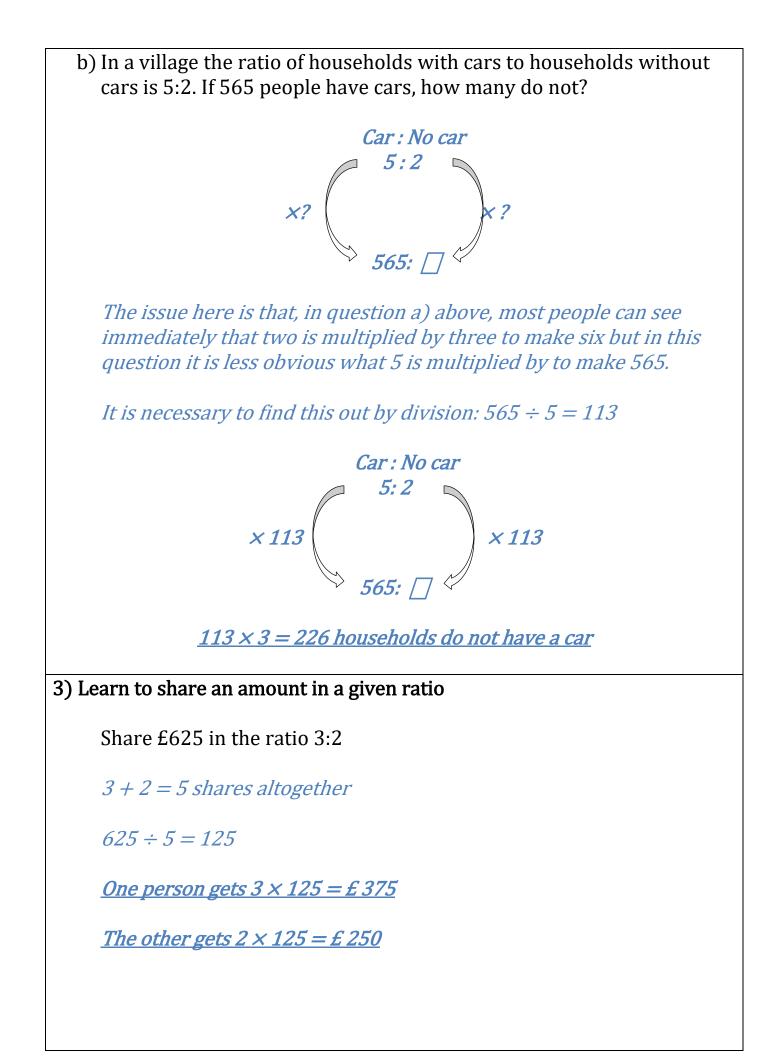
Note that the same ratio may be simplified via different routes to arrive at the same answer e.g. the third example could have been divided by 2 and then by 6.

2) Learn to solve problems involving ratios

a) In a group of friends, the ratio of boys to girls is 2:3. If there are six boys in the group, how many girls are there?



There are 3 × 3 = 9 girls in the group



4) Learn to solve problems involving direct proportion

If four horses eat 26kg of hay in a day, how much hay will eleven horses eat?

One horse eats $26 \div 4 = 6.5$ kg of hay per day

Eleven horses eat 11 × 6.5 = <u>71.5kg of hay per day</u>

Note: this assumes identical horse which all have the same appetite!