Name: .... Class: ....

Use venn diagrams to solve problems.

a. In a class of 40 students, 17 students passed Biology, 13 students passed Mathematics, 10 students passed both Biology and mathematics. How many syudents passed in Biology only? Use Venn diagrm to help you solve the problem
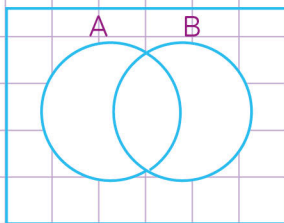
b. Charles is celebrating his birthday. 5 of the kids who attended his birthday party have been to Kenya and 10 have been to London. 3 kids have been to both Kenya and london. How many kids hve been to kenya or london both? Use venn diagram to help you solve the problem.

mathskills4kids

Name: .... Class: ....
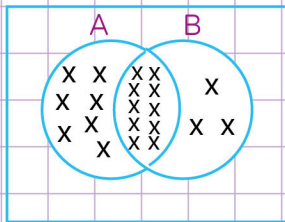
Use venn diagrams to solve problems.

a. In a class of 40 students, 17 students passed Biology, 13 students passed Mathematics, 10 students passed both Biology and Mathematics. How many students passed in Biology only? Use Venn diagrm to help you solve the problem

Let's first of all draw the venn diagram to solve the problem.

A = students who passed Biology

B = Students who passed Mathematics

10 students passed in both subjects. Let's put 10 crosses in the intersection of circles A and B

17 students passed Biology, let's add 17 crosses in circle A

13 students passed Mathematics, let's add 13 crosses in circle B

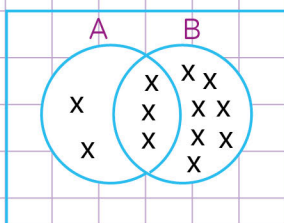Now, count the crosses that are in circle A but are not in circle B

There are 7 crosses, So, 7 students passed Biology only.

b. Last week, Charles celebrated his birthday. 5 of the kids who attended his birthday party had been to Kenya and 10 had been to London. 3 kids had been to both Kenya and London. How many kids had been to kenya or London or both? Use venn diagram to help you solve the problem.

A = Kids who have visited Kenya

B = Kids who have visited London

3 kids have been both to Kenya and London, Let's put 3 crosses in the intersection of A and B

5 kids have been to Kenya lets add 5 crosses in circle A

10 kids have been to London let's add 10 crosses in circle B

Now, count the crosses that are in circle A, circle B and their intersection.

There are 12 crosses, So, 12 kids have been to Kenya or London or both.