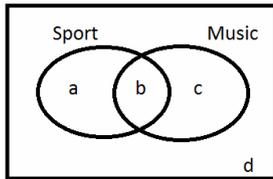
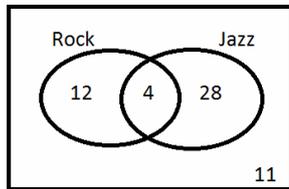


Venn Diagrams – www.m4ths.com

(1) The Venn Diagram shows information about students taking different lessons at school. State what a,b,c and d represent.



(2) The Venn Diagram below shows information about peoples favourite type of music.



- (a) How many chose Rock music?
- (b) How many chose Jazz music?
- (c) How many chose both Rock and Jazz?
- (d) What does the number 11 represent?

(3) There are 50 students in a school. 40 students do maths, 44 students do English and 36 students do both English and Maths. Find out how many do neither subject.

(4) 40 people go to a party. 22 of the people take jelly, 10 take jelly and ice cream and 5 take neither. Find out how many take ONLY ice cream.

(5) 52 people answered a survey about owning iPads and iPhones. 12 owned both, 28 owned iPhones and 14 owned iPads only. How many owned neither?

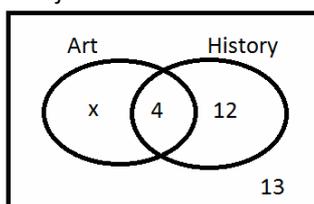
(6) At a school there are 60 students. 4 study neither Maths nor English. 24 study Maths and 42 study English. How many study both Maths and English?

(7) At a restaurant people can eat Pizza and chips amongst other things. One night 28 people went to the restaurant. 18 chose pizza, 13 chose chips and 3 chose other things from the menu. How many people had both pizza and chips that night?

(8) At a sports club people can play cricket or tennis. There are 60 members at the club. 28 play both cricket and tennis, 40 play tennis and 44 play cricket. How many people play neither?

(9) At **another** school 14 students chose French, 18 chose Spanish and 12 chose neither. Given that there are 36 pupils in the school find out how many chose both French and Spanish.

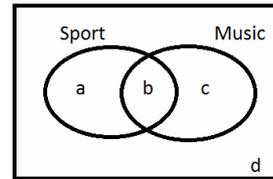
(10) The Venn Diagram below gives some information about 50 students choice of subjects at a school.



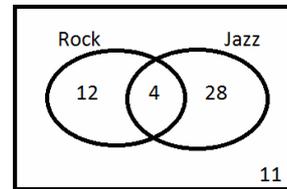
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- (b) Write down the number of students who did History.
- (c) Find out how many more students chose Art than History.

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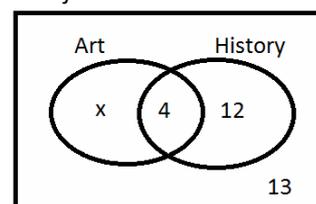
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