11 - 4
Venn Diagrams

Ex:

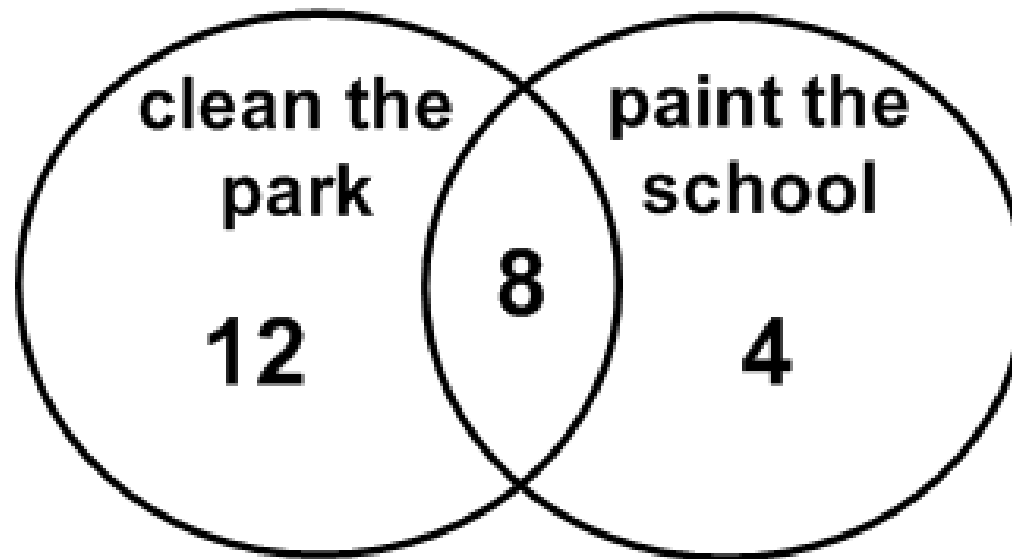Venn diagram: Left circle labeled "clean the park" containing 12. Right circle labeled "paint the school" containing 4. Overlap contains 8.

a.) How many volunteers painted the school? 12

b.) How many painted the school but did not clean the park? 4

c.) How many cleaned the park *and* painted the school? 8

overlap

d.) How many different volunteers painted the school *or* cleaned the park? 24

Ex: Fill in the Venn Diagram using the table.

100 students were polled
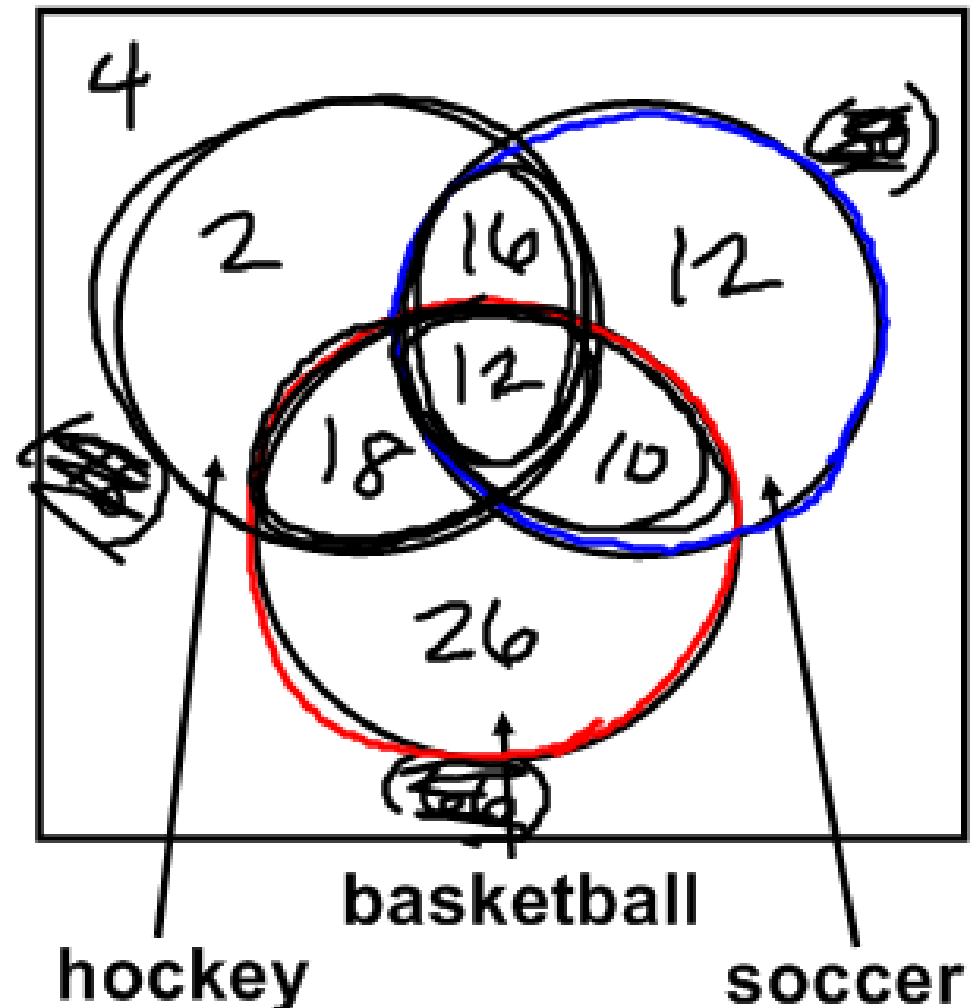
66 - basketball
50 - soccer
48 - hockey
~~22~~ - soccer & basketball
~~30~~ - hockey & basketball
~~28~~ - soccer & hockey
~~12~~ - all three sports

a.) How many students play soccer or basketball? 94

b.) How many of the 100 students polled play no sport? 4

Homework:

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"and" → how many overlap?

"or" → add them together