

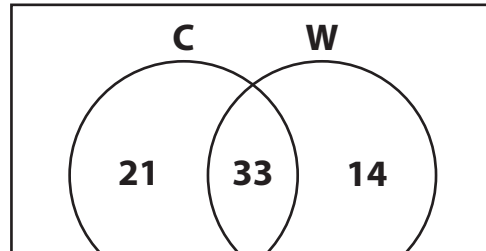
Name : _____

Venn Diagram - With Universal Set

Standard: S3

Read each Venn diagram and answer the questions that follow.

- 1) Mr. Andrews, a HR manager, interviewed job applicants and represented their skills in the Venn diagram below. The required skills were excellent communication (C) and relevant work experience (W).



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- a) What number of applicants met both his requirements?
- b) How many applicants had excellent communication skills but no relevant work experience?
- c) How many applicants had relevant work experience but no excellent communication skills?
- 2) The Venn diagram below shows the number of students at Hatfield who would like to submit an application to MIT and Columbia university (C).

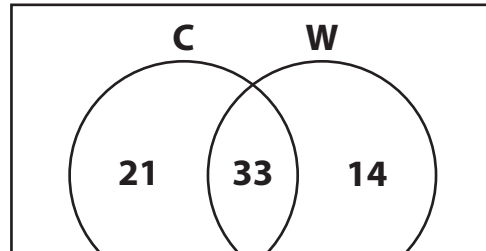
students at Hatfield who would like to apply to Columbia university (C).

- a) How many students would like to apply at Columbia university? _____
- b) Find the number of students who prefer only MIT. _____
- c) How many students prefer to apply to universities other than MIT and Columbia University? _____

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- 1) Mr. Andrews, a HR manager, interviewed job applicants and represented their skills in the Venn diagram below. The required skills were excellent communication (C) and relevant work experience (W).



- a) What number of applicants met both his requirements?
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33 applicants

18 applicants

86 applicants

students at Hatfield who would like to submit an application to MIT (M) and Columbia university (C).

- a) How many students would like to apply at Columbia university?
 b) Find the number of students who prefer only MIT.
 c) How many students prefer to apply to universities other than MIT and Columbia University?

69 students

38 students

10 students