

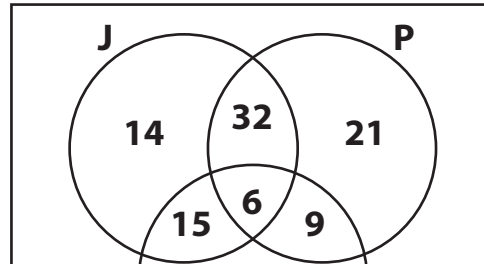
Name : \_\_\_\_\_

## Venn Diagram - With Universal Set

Standard: S3

Read each Venn diagram and answer the questions that follow.

- 1) The Venn diagram below represents the results of an employee satisfaction survey based on the following parameters: Job security (J), Pay and benefits (P), and Work environment (W).



# PREVIEW

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- a) How many employees are satisfied with Job security and Pay and benefits? \_\_\_\_\_
- b) How many employees are satisfied with Job security and Work environment? \_\_\_\_\_
- 2) The Venn diagram that shows the number of people who signed up for the following dance styles: Tango (T), Swing (S), and Ballroom (B).



- a) How many people signed up for Tango classes? \_\_\_\_\_
- b) Find the number of people who enrolled for at least two of the three dance classes. \_\_\_\_\_

Name : \_\_\_\_\_

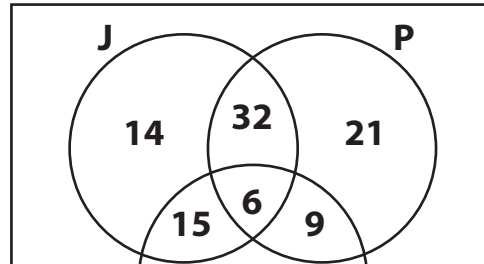
## Answer Key

Standard: S3

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- a) How many employees are satisfied with Job security and Pay and benefits?
- b) How many employees are satisfied with Job security and Work environment?
- 2) The Venn diagram that shows the number of people who signed up for the following dance styles: Tango (T), Swing (S), and Ballroom (B).

116 employees

49 employees

\_\_\_\_\_ for the following dance

- a) How many people signed up for Tango classes?

50 people

- b) Find the number of people who enrolled for at least two of the three dance classes.

29 people