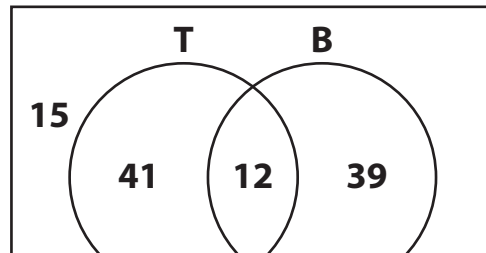


**Venn Diagram - With Universal Set**

Read each Venn diagram and answer the questions that follow.

- 1) Ms. Eva conducted a survey among nearby preschools to find the children’s favorite rhymes. The top two choices were ‘Twinkle twinkle little star’ (T) and ‘Baa baa black sheep’ (B).



# PREVIEW

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- a) How many children liked 'twinkle little star'? \_\_\_\_\_
- b) Find the number of children who liked both rhymes. \_\_\_\_\_
- c) How many children liked 'Baa baa black sheep'? \_\_\_\_\_

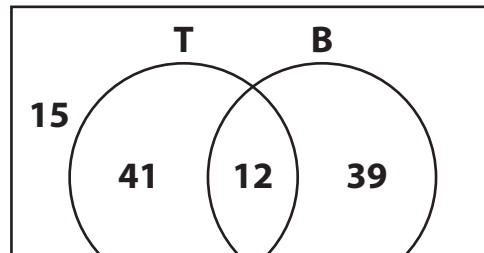
- 2) The Venn diagram below shows the number of dancers who took part in a Spring ballet recital wearing pink (P) costumes. \_\_\_\_\_

- a) Find the number of dancers who were sporting neither pink nor blue costumes. \_\_\_\_\_
- b) How many dancers in all participated in the ballet recital? \_\_\_\_\_
- c) How many dancers donned blue costumes alone? \_\_\_\_\_

**Venn Diagram - With Universal Set**

Read each Venn diagram and answer the questions that follow.

- 1) Ms. Eva conducted a survey among nearby preschools to find the children's favorite rhymes. The top two choices were 'Twinkle twinkle little star' (T) and 'Baa baa black sheep' (B).



- a) How many children chose 'twinkle little star'?
- b) Find the number of children who chose both 'twinkle little star' and 'baa baa black sheep'.
- c) How many children chose 'baa baa black sheep'?

**53 children****15 children****107 children**

- 2) The Venn diagram below shows the number of dancers who took part in a Spring ballet recital. The dancers wore either pink (P) or blue (B) costumes.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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- a) Find the number of dancers who were sporting neither pink nor blue costumes.

**4 dancers**

- b) How many dancers in all participated in the ballet recital?

**33 dancers**

- c) How many dancers donned blue costumes alone?

**9 dancers**