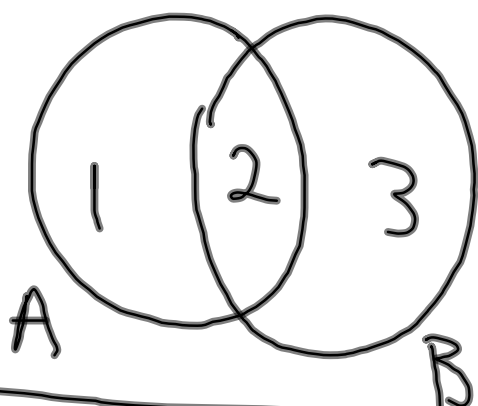


Venn diagram:



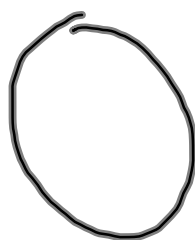
$$A = \{1, 2\}$$

$$B = \{2, 3\}$$

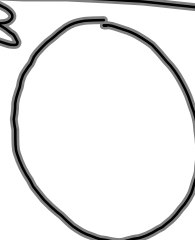
$$A = \{1, 2\}$$

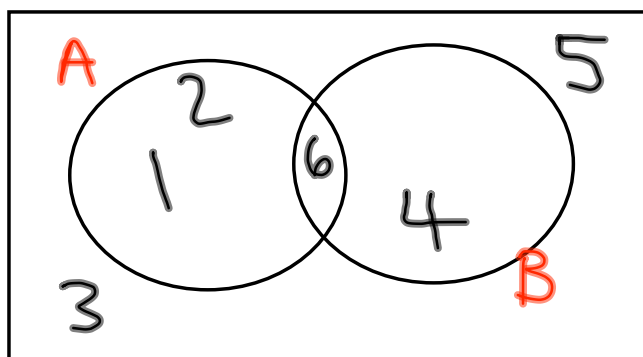
$$B = \{3, 4\}$$

A



B





Universe:

$$\{1, 2, 3, 4, 5, 6\}$$

$$A = \{1, 2, 6\}$$

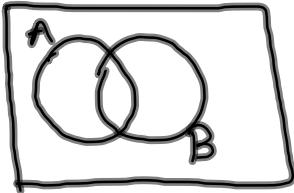
$$B = \{4, 6\}$$

$$A \cup B = \{1, 2, 4, 6\}$$

$$A \cap B = \{6\}$$

$$\overline{A} = \{3, 4, 5\}$$

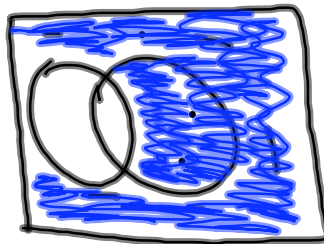
$$A - B = \{1, 2\}$$



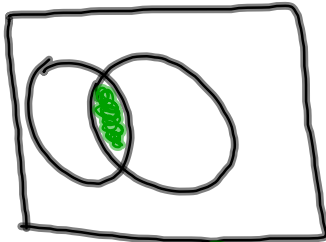
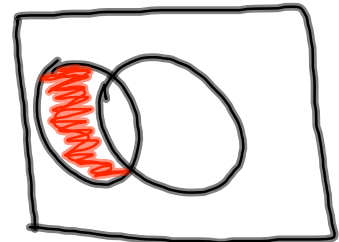
$A \cup B$



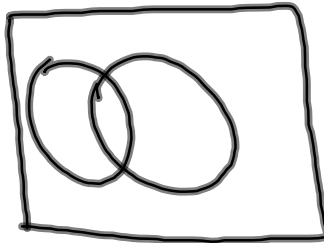
\overline{A}

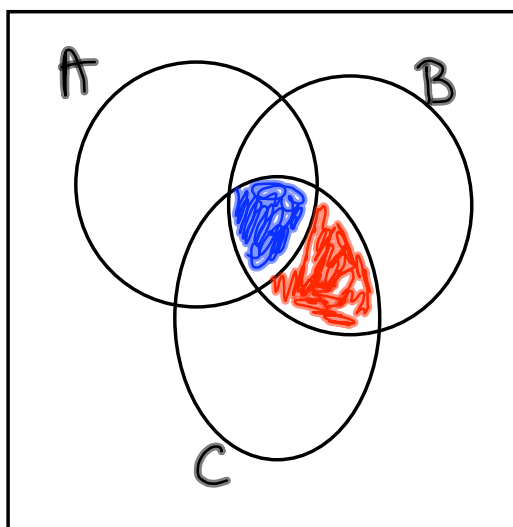


$A - B$



$A \cap B$





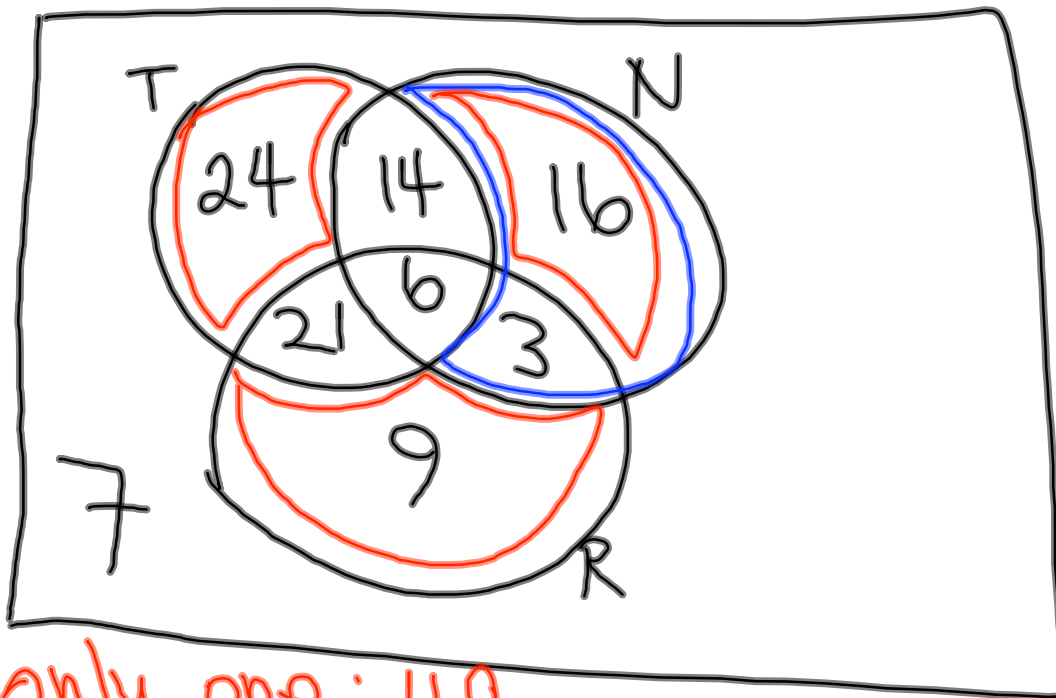
$A \cap B \cap C$

everything in B
and C, except
what is also in
A.

$$(B \cap C) - A$$

p 56, 2.1A #36

paper, not TV: 19



only one: 49