

$$e. (U-A) - (U-B) - (U-C) = \{11, 12, 13\}$$

$$U-A = \{10, 11, 12, 13, 14, 15\}$$

$$U-B = \{1, 2, 3, 4, 14, 15\}$$

$$U-C = \{1, 2, 4, 5, 8, 9, 10, 14, 15\}$$

$$f. (A \Delta B) \cup (A \Delta C) \cup (B \Delta C) = \{1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13\}$$

$$A \Delta C = \{1, 2, 4, 5, 8, 9, 11, 12, 13\}$$

$$A \Delta B = \{1, 2, 3, 4, 10, 11, 12, 13\}$$

$$B \Delta C = \{3, 5, 8, 9, 10\}$$

$$g. (A \cap B \cap C) \cup (A \cap B) \cup (A \cap C) \cup (B \cap C) = \{3, 5, 6, 7, 8, 9, 11, 12, 13\}$$

$$\{6, 7\}$$

$$\{5, 8, 9\}$$

$$\{3, 6, 7\}$$

$$\{6, 7, 11, 12, 13\}$$

$$7. A = \{2, 3\}$$

$$A \cap C = \{2\}$$

$$C = \{2, 4, 6\}$$

$$B = \{3, 4, 5\}$$

$$B \cap C = \{4\}$$

$$A \cup B \cup C = \{2, 3, 4, 5, 6\}$$

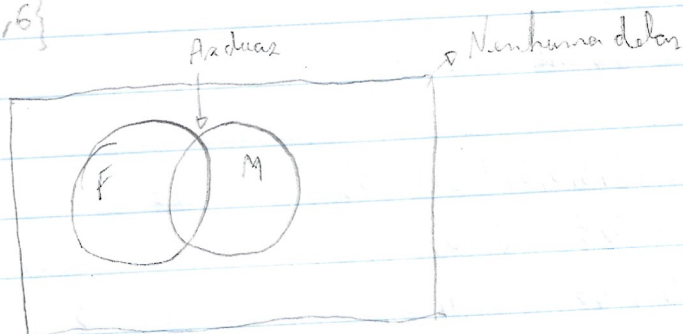
8. Curso - 40 estudantes

Física - 13

Matemática - 30

Az duas - 10

Nenhuma das duas -



$$A_{F+M} = A_F + A_M - A_{F \cap M}$$

$$A_{F+M} = 13 + 30 - 10$$

$$A_{F+M} = 33$$

$$A_{None} = T - A_{F+M}$$

$$A_N = 40 - 33$$

$$A_N = 7$$