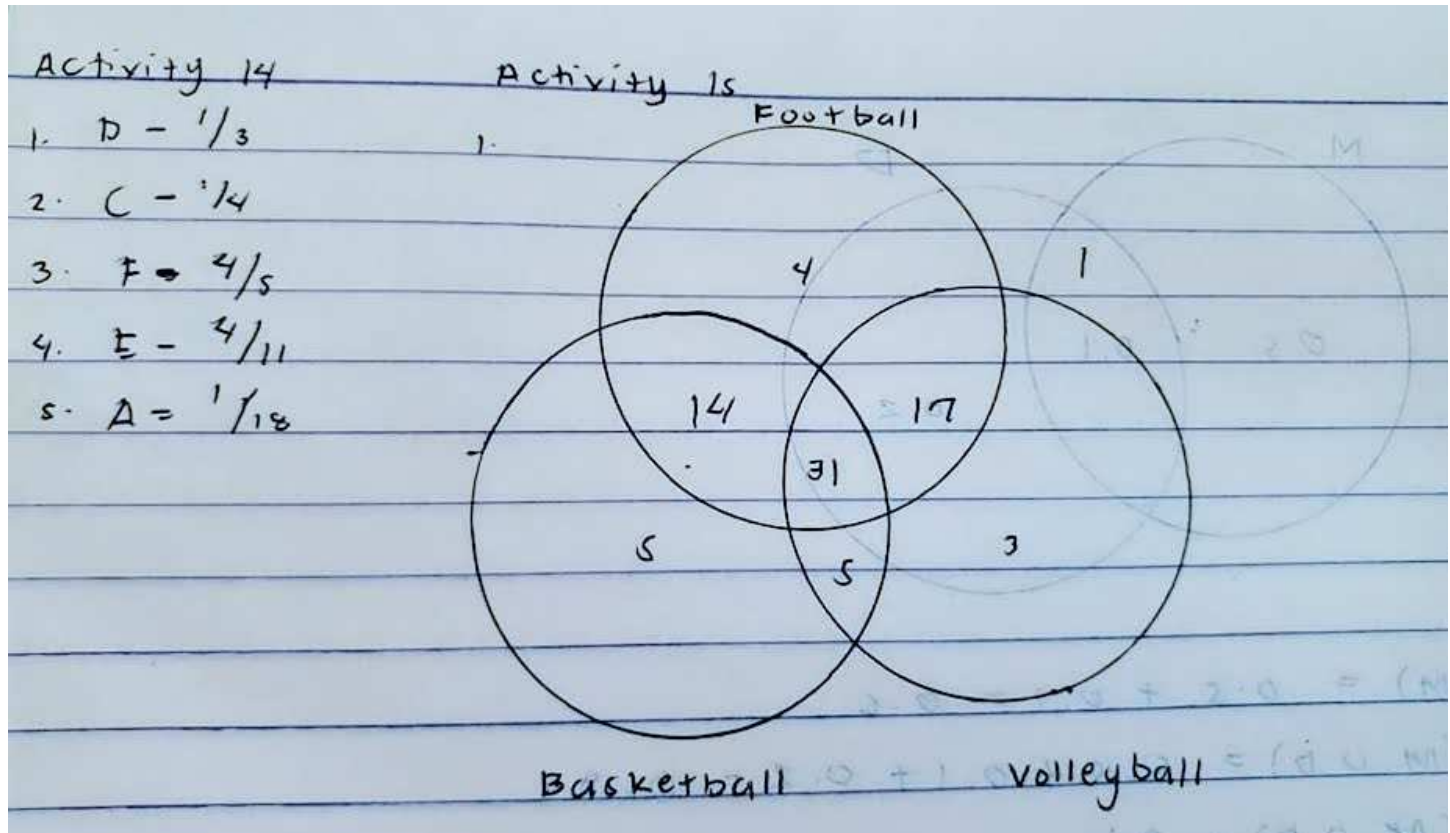


Angeles City Science High School
Math 10

Name: Paul Gerald D. Pare

Section: 10-Hawking



$$1. P(F \cup B) = \frac{4 + 14 + 17 + 31 + 5 + 5}{80} = \frac{76}{80} = 0.95 \text{ or } 95\%$$

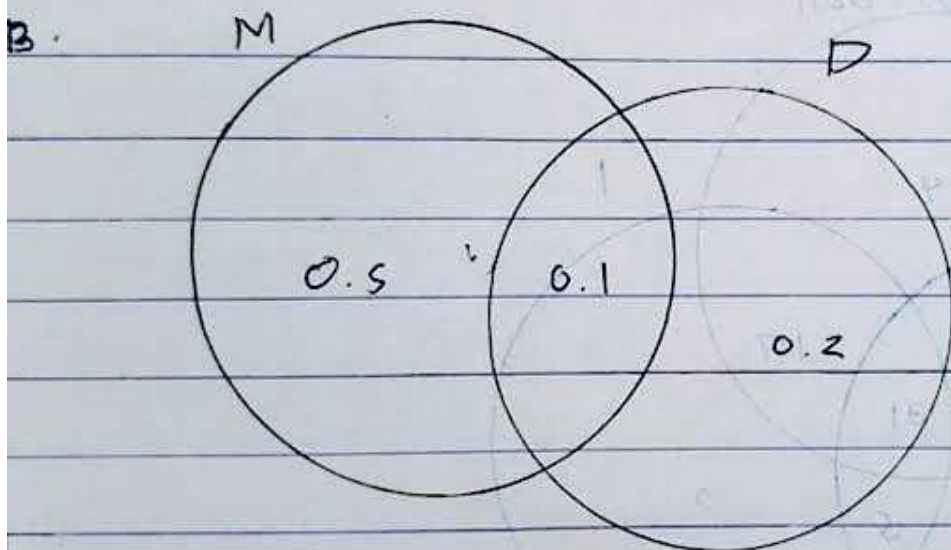
$$2. P(F \cup V) = \frac{4 + 14 + 17 + 31 + 5 + 3}{80} = \frac{74}{80} = 0.925 \text{ or } 92.5\%$$

$$3. P(B \cup V) = \frac{5 + 14 + 5 + 31 + 3 + 17}{80} = \frac{75}{80} = 0.9375 \text{ or } 93.75\%$$

$$4. P(B \cap F) = \frac{14 + 31}{80} = \frac{45}{80} = 0.5625 \text{ or } 56.25\%$$

$$5. P(V \cap F) = \frac{17 + 31}{80} = \frac{48}{80} = 0.6 \text{ or } 60\%$$

$$6. P(B \cap V) = \frac{5 + 31}{80} = \frac{36}{80} = 0.45 \text{ or } 45\%$$



7. $P(M) = 0.5 + 0.1 = 0.6$

8. $P(M \cup D) = 0.5 + 0.1 + 0.2 = 0.8$

9. $P(M \cap D) = 0.1$

10. $P(M' \cap D') = 1 - (0.5 + 0.1 + 0.2) = 0.2$