

2-4 Venn Diagrams

- _____ 1. 4 kids are on both the chess team and the bowling team. If there are a total of 10 kids on the chess team and a total of 24 kids who are on the chess team or bowling team, how many kids are on the bowling team?
- _____ 2. 20 kids are on the basketball team and there are 14 kids on the hockey team. If there are a total of 6 kids who are on both the basketball team and the hockey team, how many total kids are on both teams?
- _____ 3. In my class, everyone plays either golf or tennis. 14 play golf and 8 play tennis. If 3 play both tennis and golf, how many kids are in my class?
- _____ 4. I have a total of 14 kids. If 10 of my kids play soccer and 12 play tennis, how many play both tennis and soccer?
- _____ 5. There are 14 kids in band and 16 in chorus. If 4 of these kids are in both chorus and band, how many total kids are in either band or chorus?

2-5 Area and Perimeter

- _____ 1. What is the area of a circle with a diameter of 8 cm?
- _____ 2. What is the perimeter of a triangle with the following vertices:
(2, 5) (7, 5) (7, 17)
- _____ 3. What is the circumference of a circle with a diameter of 8 cm?
- _____ 4. If the perimeter of a triangle is 40 cm with sides of length $3n$, $2n + 12$, and $5n - 2$, what is the value of n ?
- _____ 5. What is the area of a square whose perimeter is 40 cm?