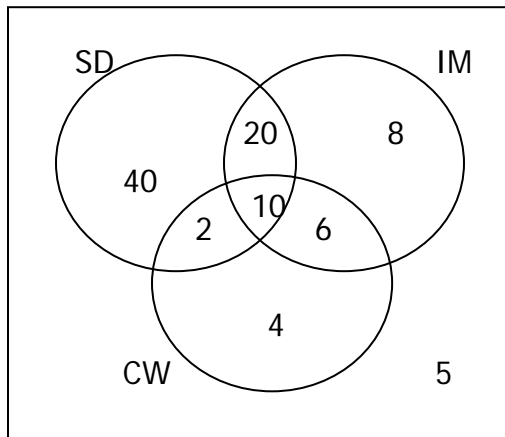


MA 110 MORE VENN DIAGRAMS

- At a regional warehouse there are 95 fifteen cubic foot refrigerators in stock. There are 72 self-defrosting refrigerators, 44 with built-in icemakers, and 22 with built-in cold water dispensers. There are 30 self-defrosting refrigerators with an icemaker and 12 self-defrosting refrigerators with a cold water dispenser. Finally there are 16 refrigerators with both and icemaker and a cold water dispenser, but 6 of these 16 are not self-defrosting. (a) How many are self-defrosting but has neither an icemaker nor a cold water dispenser? (b) How many have at most 2 features? (c) How many have none of these features?
- A clothing store has 80 pairs of jeans in stock of which 32 are blue, 44 have a designer label, and 30 have bootlegs. 20 blue jeans have designer labels and 16 blue jeans have bootlegs. 14 have both a designer label and boot legs, but only 6 of these are blue. (a) How many have bootlegs but are not blue? (b) How many have bootlegs and not a designer label?

**ANSWERS:**

1. A. 40      B. 85      C. 5



2. A. 14      B. 16

