

Two-set map

GIVEN / FILE A

Sketching 17; coding 13; both 5.

Universe 30 fictional people.

FOUR DISJOINT REGIONS

Sketch only 12; both 5; coding only 8.

Neither 5; all four sum to 30.

UNION / IN EITHER CIRCLE

$17 + 13 - 5 = 25$.

Subtract the five counted twice.

REASONABLENESS

Union 25 is at least 17 and at most 30.

It excludes the five in neither.

One person in both sets is still one person.