




Fred and Bob

I want to find out how old Fred and Bob are.
I know the following information already:




$$- \quad \text{Fred} = 27$$


Bob Fred



$$< 60$$

Bob



$$> 20$$

Fred

How old could Bob and Fred be?

Learning and Teaching Objectives

- Have a system for finding all possibilities
- Organise the recording of possibilities (ordered list, table)
- Use a method of tracking what has been included and what has not
- Have a way of deciding when all possibilities have been found

Fred and Bob Solution

Bob	Fred
59	32
58	31
57	30
56	29
55	28
54	27
53	26
52	25
51	24
50	23
49	22
48	21

Further questions:

What is the youngest Bob and Fred could be?

If Fred is half of Bob's age, how old are they?

Bob and Fred's ages are both multiples of 3, how old are they?