Practice worksheet | Probability

“and” versus inclusive/exclusive “or”

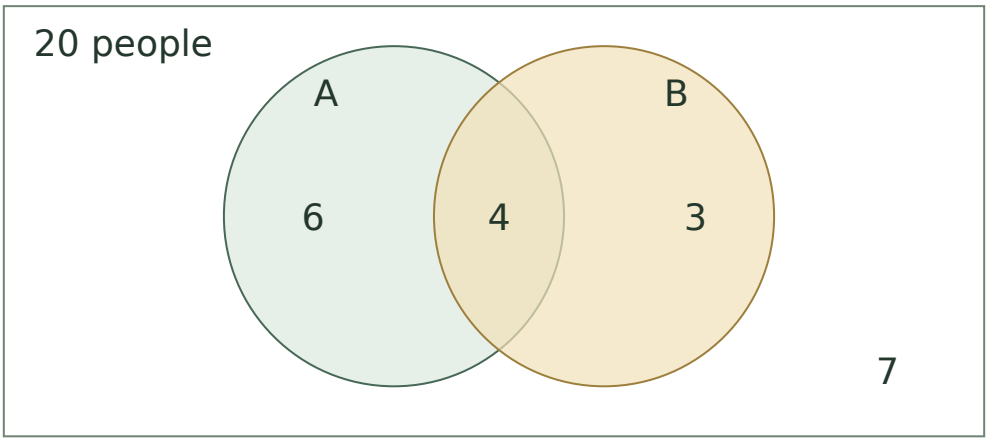
Name: _____ Date: _____

6 questions | 11 marks

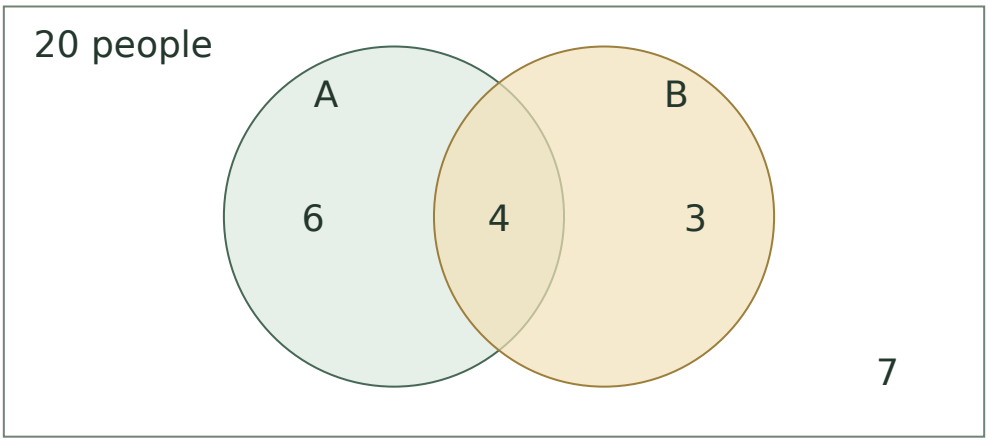
1. List die results that are even and greater than 2. [1 mark]

2. Find $P(\text{odd or a } 6)$ for a fair die. [2 marks]

3. One person is chosen at random from the displayed group. Use the diagram to find $P(\text{A and B})$. [2 marks]



4. One person is chosen at random from the displayed group. Use the diagram to find $P(\text{A or B})$. [2 marks]



5. Of 30 students, 18 play football, 12 tennis and 5 both. How many play at least one? [2 marks]

6. Of 30 students, 18 play football, 12 play tennis and 5 play both. One student is chosen at random. Find $P(\text{neither sport})$. [2 marks]