2) 2 children are given tennis balls during sports practice. Each child is given an odd number of balls.

How many number sentences can you think of that show the number of tennis balls that each child was given?

$$\frac{\square}{\square} + \frac{\square}{\square} = \frac{12}{12}$$

3) Jim says it is impossible for both missing numerators to be even numbers.

Is Jim correct? Explain with reasoning.

$$\frac{1}{\square} + \frac{\square}{15} + \frac{5}{\square} + \frac{\square}{15} = \frac{13}{15}$$

2) These are all the possible answers:

$$\frac{1}{12} + \frac{11}{12} = \frac{12}{12}$$

$$\frac{3}{11} + \frac{9}{11} = \frac{12}{12}$$

$$\frac{5}{11} + \frac{7}{11} = \frac{12}{12}$$

$$\frac{7}{11} + \frac{5}{11} = \frac{12}{12}$$

$$\frac{9}{11} + \frac{3}{11} = \frac{12}{12}$$

$$\frac{11}{11} + \frac{1}{11} = \frac{12}{12}$$

3) Jim is correct. In the number sentence, one of the missing numerators is an even number and one of them is an odd number.

$$\frac{1}{15} + \frac{1}{15} + \frac{5}{15} + \frac{6}{15} = \frac{13}{15} \qquad \frac{1}{15} + \frac{5}{15} + \frac{5}{15} + \frac{2}{15} = \frac{13}{15}$$

$$\frac{1}{15} + \frac{2}{15} + \frac{5}{15} + \frac{5}{15} = \frac{13}{15} \qquad \frac{1}{15} + \frac{6}{15} + \frac{5}{15} + \frac{1}{15} = \frac{13}{15}$$

$$\frac{1}{15} + \frac{3}{15} + \frac{5}{15} + \frac{4}{15} = \frac{13}{15} \qquad \frac{1}{15} + \frac{4}{15} + \frac{5}{15} + \frac{3}{15} = \frac{13}{15}$$