1. In this exercise, you will roll a pair of dice until the numbers add up to a given number. You can assume that the given number is 2, 3, 6, or 12. Using pseudocode, write an algorithm that returns the number of times the dice is rolled to achieve this number.

Start

Declare Numeric counter

Declare Numeric sumDie

Declare Numeric yes

Method sumTwoDie()

dice1 = randomInt(1,6) // function that creates a random

dice2 = randomInt(1,6). // integer from (1-6)

counter = counter + 1

sumDie = dice1 + dice 2

End Method

sumTwoDie()

yes = 0

While yes == 0

If sumDie == 2

yes = 1

Else If sumDie == 3

yes = 1

Else If sumDie == 6

yes = 1

Else If sumDie == 12

yes = 1

Else

sumTwoDie()

End While

Display counter

Stop

1. Create a JavaScript function based on the algorithm in question one.