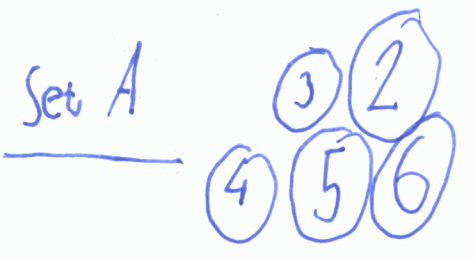


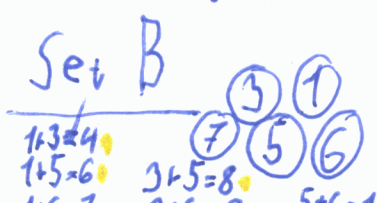
Odds and Evens



- 2+3=5 3+4=7 4+5=9 5+6=11
- 2+4=6 3+5=8 4+6=10
- 2+5=7 3+6=9
- 2+6=8

Winning: 4
 all : 10
 chance to win: $\frac{4}{10} = 40\%$

on the computer: $\frac{389}{1000} \approx 39\%$



- 1+3=4 3+1=4
- 1+5=6 3+5=8
- 1+6=7 3+6=9 5+6=11 6+7=13
- 1+7=8 3+7=10 5+7=12

Winning: 6
 all : 10

chance to win: $\frac{6}{10} = 60\%$

on the computer: $\frac{610}{1000} = 61\%$



- 2+3=5 3+4=7 4+5=9 5+6=11 6+8=14
- 2+4=6 3+5=8 4+6=10 5+8=13
- 2+5=7 3+6=9 4+8=12
- 2+6=8 3+8=11
- 2+8=10

Winning: 7
 all : 15

chance to win: $\frac{7}{15} \approx 47\%$
 on the computer: $\frac{476}{1000} = 48\%$

Set 1



$$\begin{array}{lll}
 1+3=4 & 3+4=7 & 4+5=9 \\
 1+4=5 & 3+5=8 & 4+7=11 \\
 1+5=6 & 3+7=10 & 4+9=13 \\
 1+7=8 & 3+9=12 & 5+7=12 \\
 1+9=10 & & 7+9=16 \\
 & & 5+9=14
 \end{array}$$

2.

Winning: 10

all : 15

chance to win: $\frac{2}{3} = 67\%$

on the computer:

$$\frac{1.639}{1000} \approx 64\%$$

$$\frac{1.680}{1000} \approx 68\%$$

All sets are unfair!

I would chose to play with set 1.

Fair set



$$\begin{array}{lll}
 2+3=5 & 3+4=7 & 4+6=10 \\
 2+4=6 & 3+6=9 & \\
 2+6=8 & &
 \end{array}$$

Winning: 3

all : 6

chance to win: $\frac{1}{2} = 50\%$

Krystof