

1. Distribute **60** black balls among 10 boxes so that every two boxes have different number of balls (you can put 0 balls in some box if you want to). Fill in numbers of black balls in each box below.

$$\begin{array}{cccccccccc} 0 & + & 1 & + & 2 & + & 3 & + & 4 & + & 5 & + & 6 & + & 7 & + \\ & & & & & & 8 & + & 24 & = & 60 \end{array}$$

It's impossible

Reset

 Expand

2. Distribute **45** black balls among 10 boxes so that every two boxes have different number of balls (you can put 0 balls in some box if you want to). Fill in numbers of black balls in each box below.

1 point

$$\begin{array}{cccccccccc} 0 & + & 1 & + & 2 & + & 3 & + & 4 & + & 5 & + & 6 & + & 7 & + \\ & & & & & & 8 & + & 9 & = & 45 \end{array}$$

It's impossible

Reset

 Expand

3. Distribute **30** black balls among 10 boxes so that every two boxes have different number of balls (you can put 0 balls in some box if you want to). Fill in numbers of black balls in each box below.

+  +  +  +  +  +  +  +  +

+  = 0

It's impossible

Reset