

# Balance Beam #2 (lbs)

## 81 Boom slides



Click [HERE](#) for a playable preview

Will the balance beam (set of scales) fall to the left, the right or remain balanced?

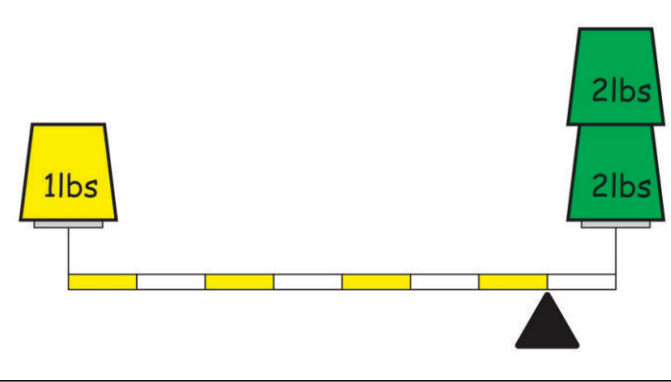
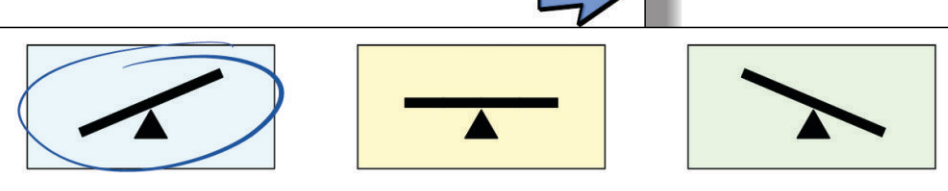
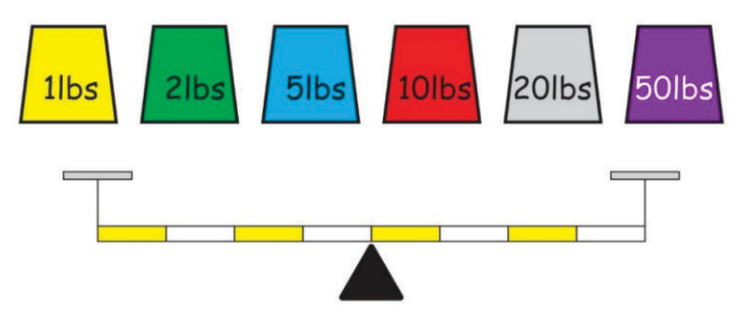
Each slide presents a set of scales with one or more weights of various sizes on each side. All you have to do is figure out whether the beam will fall to the left, to the right or remain evenly balanced BUT the weights are not spaced evenly apart, so you have to take the distance from the pivot into account. This isn't about which side is 'heaviest' but which side 'exerts the greatest force' on the scales.

Once a correct choice has been made, the next slide will show what actually happened, and you can then advance to the next puzzle.

There are 40 puzzles in all to solve. The slides start off very simple, with small weight sizes of 1lbs and 2lbs. As you progress through the deck, heavier weights are added, providing more combinations to play with, which challenge mental arithmetic and adding skills.

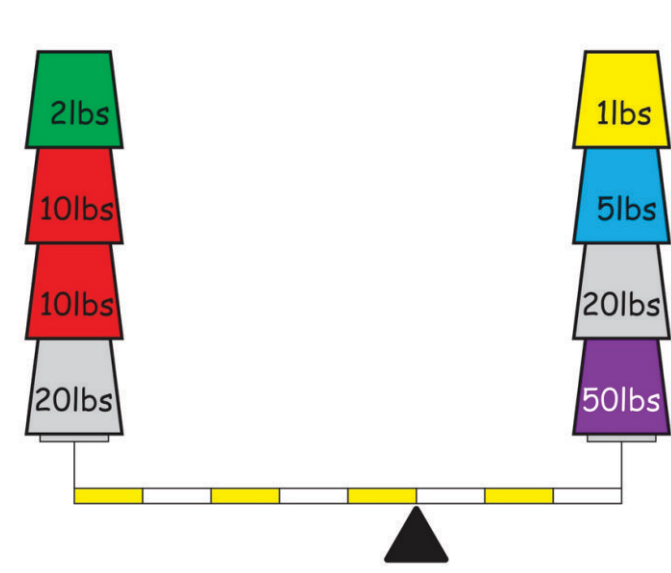
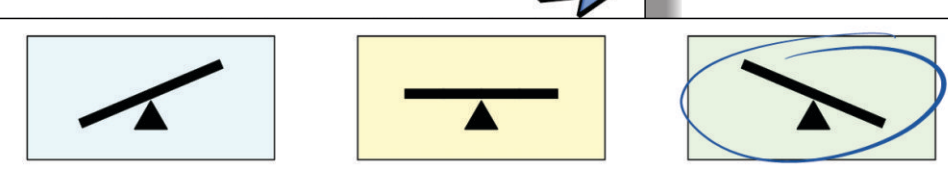
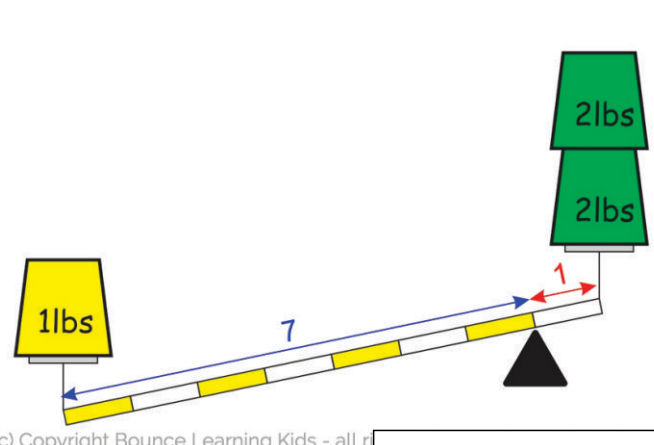
See also Balance Beam 1

1. Study the weights on either side of the scales, and the distance each weight is from the pivot
2. Will the left side fall, the right side fall or are the scales evenly balanced?
3. Click or or to make your choice.
4. Click to submit your answer.



$1\text{lb} \times 7 = 7$  ← **GREATEST FORCE**       $4\text{lb} \times 1 = 4$

*Congratulations!*



$42\text{lb} \times 5 = 210$       **GREATEST FORCE**       $76\text{lb} \times 3 = 228$

*Well done!*

