

Making the Case for Including the Arts in STEM Courses

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STEM Courses Develop

- Critical thinking and problem-solving skills
- Creativity and abstract thinking
- Innovative thinking
- Persistence
- Collaboration skills
- Communication skills

The Arts Develop

- Critical thinking and problem-solving skills
- Creativity and abstract thinking
- Innovative thinking
- Persistence
- Collaboration skills
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Sol LeWitt (1928-2007)

- Founder of Conceptual Art
Wall Drawings
- Structures (3-D sculptures)

“Wall Drawing 419”



Structure – “One, Two, Three”



Anila Quayyum Agha

- Mixed media artist
- Born and grew up in Pakistan
- BFA in Textile Arts in 1991
- MFA in Fiber Arts in 2004
- Currently lives in Indianapolis
- 2014 Alpha Omega Prize for Artist of the Year for “Intersections”

“Intersections”



Alexander Calder (1898-1976)

- Mechanical Engineer
- Kinetic Sculptures
- Presidential Medal of Freedom

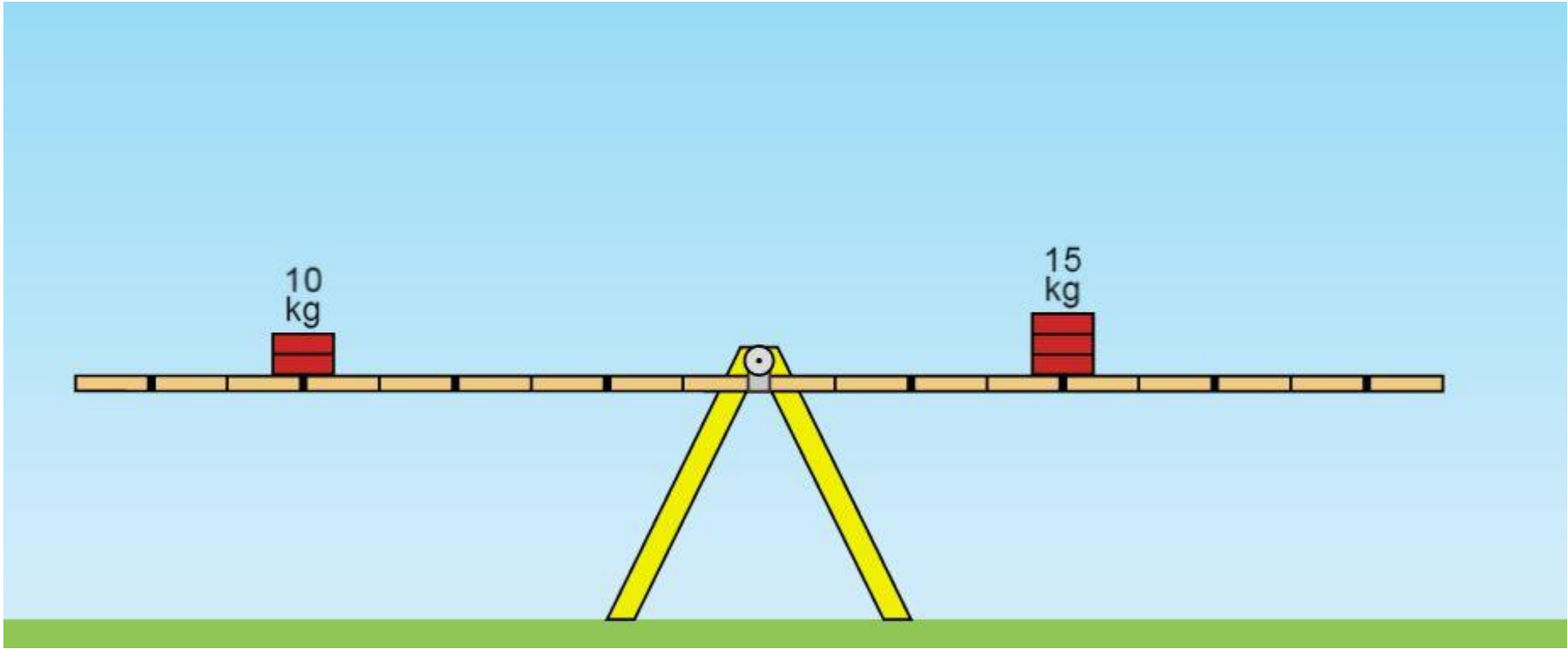


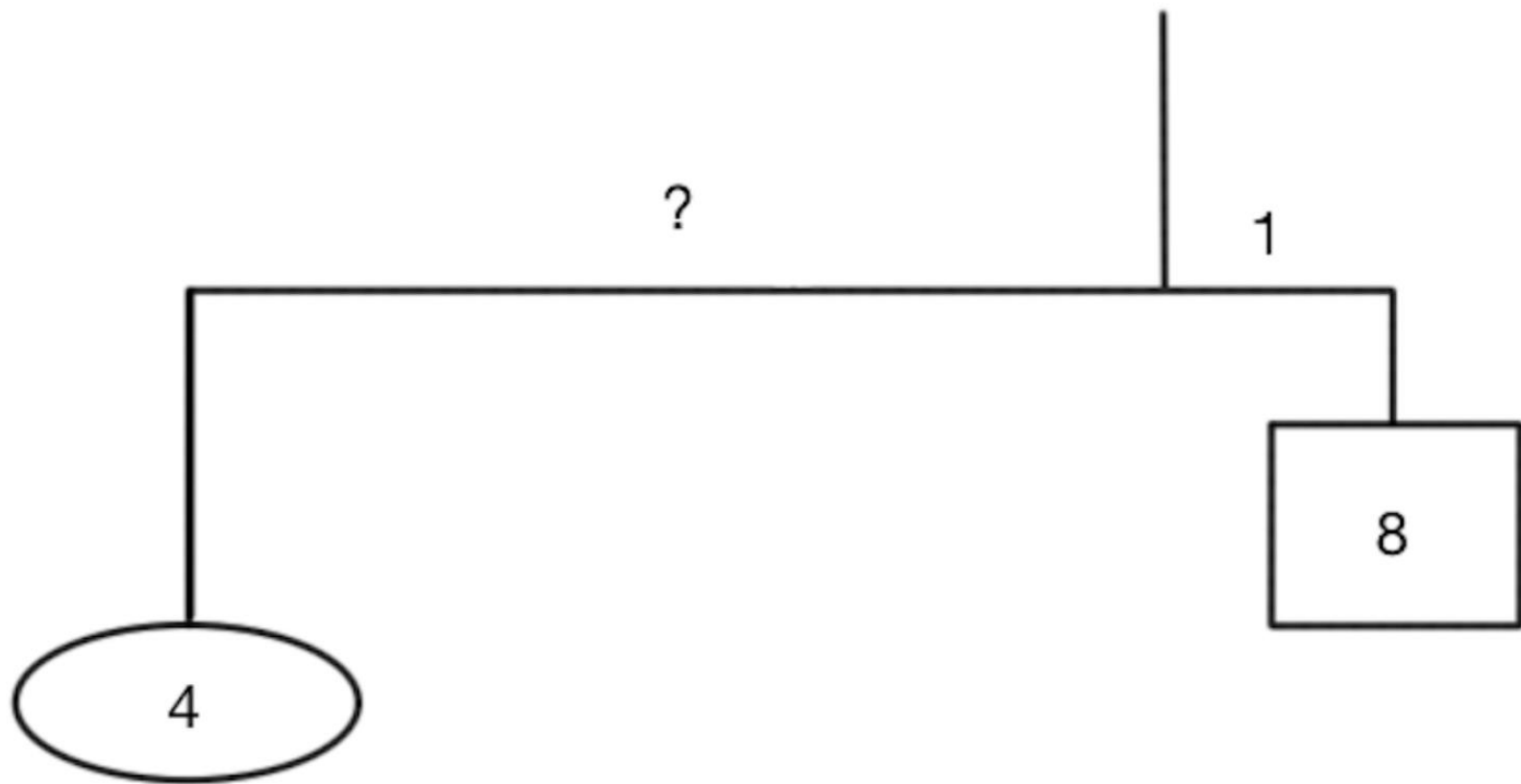
Archimedes' Law of the Lever

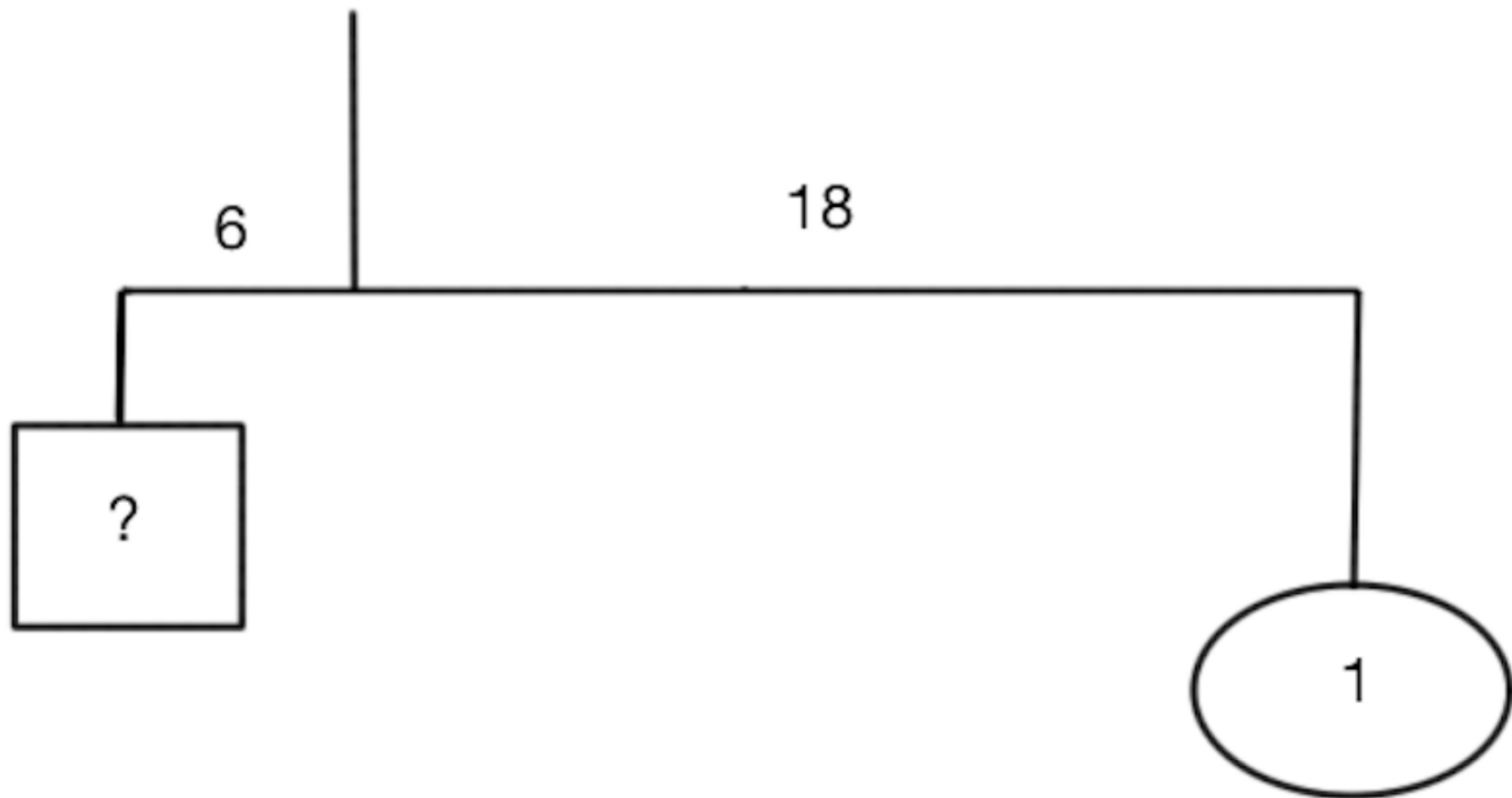
“Magnitudes are at
equilibrium at distances
reciprocally proportional to
their weights.”

Archimedes' Law of the Lever

$$W_L \times D_L = W_R \times D_R$$











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