**It’s All About the Balance**

*Use the balance scales shown to answer the questions.*



➀ Which weighs more? sphere *or* cube

 Which weighs less? sphere *or* cylinder

 Which weighs the most? sphere *or* cube *or* cylinder

 How do you know?

 Rate the difficulty of this task: 0(easy) 1 2 3(difficult)

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➁ Which weighs more? cube *or* sphere

 Which weighs less? cube *or* cylinder

 Which weighs the least? cube *or* sphere or cylinder

 How do you know?

 Rate the difficulty of this task: 0(easy) 1 2 3(difficult)

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➂ Which block will balance C?

 Tell how you chose that block.

 Rate the difficulty of this task: 0(easy) 1 2 3(difficult)

➃ Which two blocks will balance C?



 How do you know?

 Rate the difficulty of this task: 0(easy) 1 2 3(difficult)

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➄ Which two blocks will balance C?



 Explain your reasoning.

 Rate the difficulty of this task: 0(easy) 1 2 3(difficult)

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Go back and look at your difficulty ratings. What makes some tasks more difficult than others?

How does this activity relate to algebraic thinking?

*Use the scales shown to determine the weight(s) of the objects.*

➅ How much does a sphere weigh?

 How much does a cube weigh?

 How do you know?

 *How much does each object weigh? How do you know?*



➆



➇



➈



➉