Scale and Cup

Compare solid weights and liquid volumes.

P.2.5.3 "Compare the weight of solid objects and the volume of liquid objects. Analyze and communicate findings."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline the two weights and circle the two liquid amounts. Write 1 beside the heavier solid and 2 beside the liquid with more volume to show your comparisons.

Nia's Science Table

1. Nia brings a smooth stone and a pinecone to the science table. She places each one on a scale. The stone weighs 90 grams. The pinecone weighs 30 grams. She records both weights in her notebook.

2. Nia also has two clear cups. One cup holds 120 milliliters of water. The other holds 180 milliliters of apple juice. She reads the marks on a measuring cup to find how much liquid is in each cup.

3. She puts the stone beside the cup of water and the pinecone beside the cup of juice. Nia wants to share two findings: which solid weighs more and which cup holds more liquid. She will use numbers to explain.

2 ANSWER WITH EVIDENCE

Use the passage

1. Which solid weighs more? How many grams more does it weigh?

2. Which liquid has more volume? How many milliliters more is there?

3. Nia thinks the cup beside the heavier solid must have more liquid. Do the amounts support her idea? Explain with numbers.

3 YOUR TURN

Your own words

At another table, a toy car weighs 75 grams and a spoon weighs 25 grams; a jar holds 200 milliliters of milk and a mug holds 140 milliliters of tea. Write two sentences comparing the solids' weights and the liquids' volumes, using numbers.

ANSWER KEY

Scale and Cup

GRADE 2 · P.2.5.3

PART 1 · READ AND MARK

Underline the two weights and circle the two liquid amounts. Write 1 beside the heavier solid and 2 beside the liquid with more volume to show your comparisons. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Which solid weighs more? How many grams more does it weigh?	**The stone weighs 60 grams more than the pinecone.**
2	Which liquid has more volume? How many milliliters more is there?	**The apple juice has 60 milliliters more than the water.**
3	Nia thinks the cup beside the heavier solid must have more liquid. Do the amounts support her idea? Explain with numbers.	**No. The 90-gram stone is beside 120 milliliters of water, but the 30-gram pinecone is beside 180 milliliters of juice.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

The toy car weighs 50 grams more than the spoon. The jar has 60 milliliters more milk than the mug has tea.

Accept either a greater-than comparison or a correct difference when students explain their findings. In Your Turn, look for one accurate weight comparison and one accurate liquid-volume comparison, both supported by numbers.