

Tool Match Up

Choose the tool that fits each measurement job.

MA.3.M.1.1 "Select and use appropriate tools to measure the length of an object, the volume of liquid within a beaker and temperature."

NAME _____

DATE _____

TOOL MATCHES JOB

The tool can measure the attribute named in the job.
Use a length tool for length, a beaker for liquid volume, and a thermometer for temperature.

Use a meter stick to measure the length of a flagpole.

TOOL DOES NOT MATCH

The tool cannot measure the attribute named in the job. Choose a tool that fits the measurement job instead.

Use a thermometer to find how much juice is in a jar.

1 SORT 8 items

Circle MATCH or MISMATCH for each item, then choose two items and explain why each tool does or does not fit the measurement job.

- | | | |
|---|-----------------------------|--------------------------------|
| 1. Use a ruler to measure the length of a pencil. | ☐ MATCH | ☐ MISMATCH |
| 2. Use a thermometer to measure the temperature of soup. | ☐ MATCH | ☐ MISMATCH |
| 3. Use a beaker to measure the length of a desk. | ☐ MATCH | ☐ MISMATCH |
| 4. Use a ruler to measure the temperature of bath water. | ☐ MATCH | ☐ MISMATCH |
| 5. Use a tape measure to measure the length of a hallway. | ☐ MATCH | ☐ MISMATCH |
| 6. Use a thermometer to measure the volume of milk. | ☐ MATCH | ☐ MISMATCH |
| 7. Use a beaker to measure the volume of water. | ☐ MATCH | ☐ MISMATCH |
| 8. Use a tape measure to measure the length of a kite string. | ☐ MATCH | ☐ MISMATCH |

2 PROVE IT Explain your thinking

Pick two items from Part 1. For each one, tell how you knew where it belonged.

ITEM # _____ HOW I KNEW _____

ITEM # _____ HOW I KNEW _____

3 MAKE YOUR OWN One of each

Write one new MATCH example and one new MISMATCH example.

MATCH _____

MISMATCH _____

CHALLENGE

A student wants to find the temperature of hot cocoa and the volume of lemonade in a beaker. Name the tool for each job and explain why.

PART 1 • SORT

#	ITEM	CATEGORY	WHY
1	Use a ruler to measure the length of a pencil.	MATCH	A ruler measures length.
2	Use a thermometer to measure the temperature of soup.	MATCH	A thermometer measures temperature.
3	Use a beaker to measure the length of a desk.	MISMATCH	A beaker measures liquid volume, not length.
4	Use a ruler to measure the temperature of bath water.	MISMATCH	A ruler measures length, not temperature.
5	Use a tape measure to measure the length of a hallway.	MATCH	A tape measure measures length.
6	Use a thermometer to measure the volume of milk.	MISMATCH	A thermometer measures temperature, not liquid volume.
7	Use a beaker to measure the volume of water.	MATCH	A beaker can measure liquid volume.
8	Use a tape measure to measure the length of a kite string.	MATCH	A tape measure measures length.

PART 2 • PROVE IT

Accept any explanation that names the deciding feature from the rule box for the chosen item.

PART 3 • MAKE YOUR OWN (SAMPLE ANSWERS)

- **MATCH:** Use a yardstick to measure the length of a fence.
- **MISMATCH:** Use a beaker to measure the temperature of tea.

Challenge: Use a thermometer for hot cocoa because it measures temperature. Use a beaker for lemonade because it measures liquid volume.

For the prove-it responses, accept explanations that correctly connect the tool to length, liquid volume, or temperature. Part 3 answers may vary if the tool and measurement job are correctly matched or mismatched.