

Luna's Space Adventure

Grade 3 · Reading temperature · MA.3.M.1.1

Name _____

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Hot or cold? Circle the temperature that makes sense.

A hot summer day

95°F

35°F

A warm bath

50°F

100°F

Cold milk from the fridge

38°F

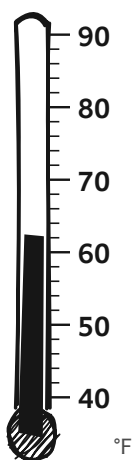
88°F

Inside a classroom

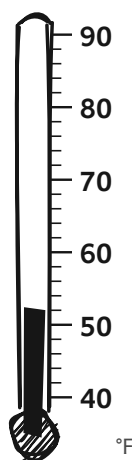
70°F

20°F

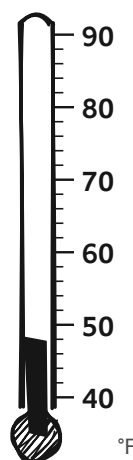
Read the thermometer Find the top of the dark line. Count the small marks.



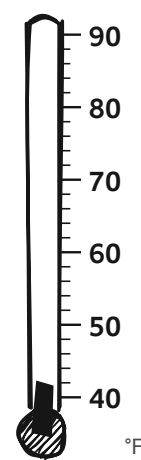
°F



°F



°F



°F

Warmer and colder Warmer adds degrees. Colder takes them away.

53°F to 48°F: colder by °

52°F to 42°F: colder by °

57°F, 10° warmer = °F

71°F, 22° warmer = °F

Story time

- ① At 7 a.m. it was 49°F. By noon it was 18° warmer, then it cooled 8° by evening.
What was the temperature in the evening?

.....

_____ °F



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ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

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A hot summer day

95°F

35°F

A warm bath

50°F

100°F

Cold milk from the fridge

38°F

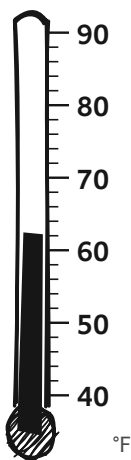
88°F

Inside a classroom

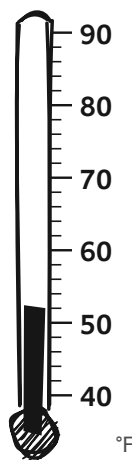
70°F

20°F

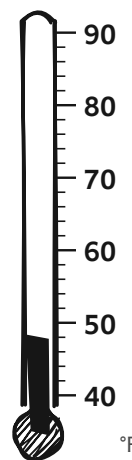
Read the thermometer Find the top of the dark line. Count the small marks.



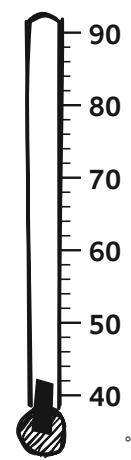
62 °F



52 °F



48 °F



42 °F

Warmer and colder Warmer adds degrees. Colder takes them away.

53°F to 48°F: colder by 5 °

52°F to 42°F: colder by 10 °

57°F, 10° warmer = 67 °F

71°F, 22° warmer = 93 °F

Story time

- ① At 7 a.m. it was 49°F. By noon it was 18° warmer, then it cooled 8° by evening. What was the temperature in the evening?

$$49 + 18 = 67, \text{ then } 67 - 8 = 59$$

59 °F



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GUIDE

1 What this sheet practises

Reading a thermometer in degrees Fahrenheit, telling which temperature makes sense, and working out how much warmer or colder it got.

2 A problem from the sheet, worked out

Warmer and colder Warmer adds degrees. Colder takes them away.

53°F to 48°F: colder by 5 °

52°F to 42°F: colder by 10 °

57°F, 10° warmer = 67 °F

71°F, 22° warmer = 93 °F

How: Find the numbered mark just below the top of the dark line, then count on by the small marks. Warmer adds degrees; colder takes them away.

3 Words to know

temperature how hot or cold something is

degree the unit a thermometer counts in: °

Fahrenheit the °F scale: water freezes at 32°F

warmer a higher temperature

4 Watch for

- Counting each small mark as 1 when it stands for 2.
- Reading the number nearest the line instead of counting up from below.
- Adding when the temperature dropped.

5 Where it fits

BEFORE

3.MD.A.2

Measure and estimate liquid volume and mass in liters, grams and kilograms.

THIS SHEET

MA.3.M.1.1

Pick and use tools to measure length, liquid in a beaker, and temperature.

NEXT

4.MD.A.2

Solve story problems about distance, time, volume, mass and money.

6 Helping at home

Check an outdoor thermometer or the weather app morning and afternoon. Ask how many degrees warmer it got.

