Weather Data

Grade 3

Name _____ Date _____

Remember: Thermometer = temperature. **Rain gauge** = rain. **Wind vane** = wind direction. **Anemometer** = wind speed.

Reading a table: find the day across the top, then read the number below it.

Collecting Weather Data

Scientists collect **weather data** using special tools. A **thermometer** measures temperature. A **rain gauge** measures how much rain falls. A **wind vane** shows which way the wind blows, and an **anemometer** measures wind speed.

Ms. Lee's class recorded the temperature at noon for one week:

Mon	Tue	Wed	Thu	Fri
12°C	15°C	9°C	15°C	18°C

Data in a table makes it easy to compare. The class saw that Friday was the warmest day and Wednesday was the coolest. Over many weeks, data like this shows patterns that help meteorologists understand the climate.

1. Check your understanding

Circle the best answer.

1. Which tool measures temperature? (a) A rain gauge (b) A thermometer (c) A wind vane

2. What does an anemometer measure? (a) Wind speed (b) Rain (c) Temperature

3. Which day was the coolest? (a) Monday (b) Friday (c) Wednesday

4. Which two days had the same temperature? (a) Mon and Wed (b) Tue and Thu (c) Thu and Fri

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2. What does it measure?

Circle what each tool or data measures.

1	thermometer	temperature	rain	wind
2	rain gauge	temperature	rain	wind
3	wind vane	temperature	rain	wind
4	anemometer	temperature	rain	wind
5	'It is 22 degrees.'	temperature	rain	wind
6	'We got 5 mm of rain.'	temperature	rain	wind

3. Think like a scientist

Answer in a complete sentence.

1. **How much warmer was Friday than Wednesday? Show your thinking.**

Answer Key

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1. Check your understanding

1. **Which tool measures temperature?** (a) A rain gauge (b) **A thermometer** (c) A wind vane

2. **What does an anemometer measure?** (a) **Wind speed** (b) Rain (c) Temperature

3. **Which day was the coolest?** (a) Monday (b) Friday (c) **Wednesday**

4. **Which two days had the same temperature?** (a) Mon and Wed (b) **Tue and Thu** (c) Thu and Fri

2. What does it measure?

		temperature	rain	wind
1	thermometer	✓		
2	rain gauge		✓	
3	wind vane			✓
4	anemometer			✓
5	'It is 22 degrees.'	✓		
6	'We got 5 mm of rain.'		✓	

3. Think like a scientist

Sample answer.

1. **How much warmer was Friday than Wednesday? Show your thinking.**
   Friday was 18°C and Wednesday was 9°C. 18 - 9 = 9, so Friday was 9 degrees warmer.