

Weather Patterns

Grade 2 • SCIENCE • Students read a simple week of weather observations and identify repeated or changing weather patterns. • Standards: K-ESS2-1

Look at each weather chart carefully. Answer the questions by counting days or finding patterns in the weather.

1. Monday: sunny, Tuesday: sunny, Wednesday: sunny, Thursday: sunny, Friday: sunny. How many sunny days were there?
2. Monday: rainy, Tuesday: rainy, Wednesday: sunny, Thursday: sunny, Friday: sunny. How many rainy days were there?
3. Monday: cloudy, Tuesday: cloudy, Wednesday: cloudy, Thursday: rainy, Friday: rainy. Which weather happened more days, cloudy or rainy?
4. Monday: warm, Tuesday: warm, Wednesday: cool, Thursday: cool, Friday: cool. How many cool days were there?
5. Monday: sunny, Tuesday: cloudy, Wednesday: rainy, Thursday: snowy, Friday: sunny. Which weather happened exactly two times?
6. Monday: rainy, Tuesday: rainy, Wednesday: rainy, Thursday: sunny, Friday: sunny, Saturday: sunny, Sunday: sunny. Were there more rainy days or sunny days?
7. Monday: warm and sunny, Tuesday: warm and sunny, Wednesday: warm and sunny, Thursday: cool and cloudy, Friday: cool and cloudy. What pattern do you see changing from Wednesday to Thursday?
8. Monday: sunny, Tuesday: cloudy, Wednesday: rainy, Thursday: sunny, Friday: cloudy, Saturday: rainy. What pattern repeats every three days?
9. Monday: cool, Tuesday: cool, Wednesday: warm, Thursday: warm, Friday: cool, Saturday: cool, Sunday: warm. On which day did the temperature change from warm to cool?

10. Monday: rainy, Tuesday: cloudy, Wednesday: sunny, Thursday: sunny, Friday: sunny, Saturday: cloudy, Sunday: rainy. Looking at the whole week, what happened to the weather from Monday to Wednesday and then again from Friday to Sunday?

Answer Key — Weather Patterns

For the teacher / parent. Do not distribute with the worksheet.

1. 5 (*Count all the days marked sunny.*)
2. 2 (*Count the days marked rainy.*)
3. cloudy (*Cloudy happened 3 days and rainy happened 2 days.*)
4. 3 (*Count the days marked cool.*)
5. sunny (*Sunny appears on Monday and Friday, which is 2 times.*)
6. sunny days (*There were 3 rainy days and 4 sunny days.*)
7. The weather changed from warm and sunny to cool and cloudy (*Both the temperature and sky condition changed at the same time.*)
8. sunny, cloudy, rainy (*The pattern sunny, cloudy, rainy happens and then starts over.*)
9. Friday (*Thursday was warm and Friday was cool, so the change happened on Friday.*)
10. The weather changed from rainy to sunny, then back from sunny to rainy. (*Monday to Wednesday went rainy, cloudy, sunny; Friday to Sunday went sunny, cloudy, rainy - the reverse pattern.*)