

Forecast Shift Answer Key

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|------------------|-------------------|
| 1. Increase, 20% | 6. Decrease, 20% |
| 2. Decrease, 25% | 7. Increase, 25% |
| 3. Increase, 25% | 8. Decrease, 15% |
| 4. Decrease, 25% | 9. Increase, 25% |
| 5. Increase, 20% | 10. Decrease, 20% |

Teacher's Guide

- Quick implementation tips
 - o Have students identify whether the weather measurement went up or down before calculating.
 - o Remind students to divide the amount of change by the original value.
 - o Encourage students to estimate whether the answer should be close to 20% or 25% before solving.
- Differentiation strategies
 - o Let students write the amount of change beside each problem before finding the percent.
 - o Provide a formula reference card for students who need extra support.
 - o Challenge advanced students to explain why the original value is always used in the calculation.
- Engagement ideas
 - o Ask students which weather changes would have the biggest effect on outdoor activities.
 - o Have partners compare answers and explain one increase and one decrease.
- Extension activities
 - o Students create a two-day weather report with four measurements and exchange it with a partner to calculate the percent changes.
 - o Ask students to collect weather data from two different days and compute the percent change for one weather measurement.