

Questions that Promote Algebraic Reasoning

- Can you describe your strategy? How do you know it works?
- Can you write a story, draw a picture, or use materials to show how you solved the problem?
- What is happening as you change the numbers? What do you notice?
- Can you make a rule?
- Will it always work? How do you know?
- Would it work with other numbers?
- Are there some numbers for which that will not work? How do you know?
- What if you started with a smaller or larger number, would your rule still work?
- Can you change something to make it come out differently? Why do you think it works?
- How did you get your answer?
- Did anyone get the same answer in a different way?
- Did anyone get a different answer?
- What were you thinking?
- How does this relate to...?

