

Encouraging Mathematical Discourse through Questioning

1. What do you think you should do first?
2. What do you think you should do next?
3. Can you restate the problem in your own words?
4. Could you encounter this problem in real-life? If so, where?
5. What information do you need to solve the problem?
6. Is there information in the problem that you do not need in order to solve it?
7. Have you identified a pattern?
8. What else have you tried?
9. What is something you learned while solving this problem?
10. Have you ever solved a problem like this before?
11. How can you explain what you have learned so far?
12. What are the variables in this problem? What remains constant?
13. How can you check your answer?
14. What would happen if ____?
15. Can you draw a diagram to solve the problem?
16. Can you use a different operation to solve the problem? Explain your thinking.
17. Can you make a sketch to solve the problem?
18. Do you believe your solution is reasonable?
19. Can you use a model to demonstrate your answer?
20. How is your answer the same (or different) than your partner's?
21. Can you think of another method that would work to solve this problem?
22. Would a table help you solve this problem?
23. Can you make a list a to help you find the answer?
24. What was your prediction?