**Questions that Foster Discussion**

* **Helping students work together to make sense of mathematics**

What do other think about what \_\_\_\_\_\_ said?

Do you agree? Disagree?

Does anyone have the same answer but a different way to explain it?

Can you convince the rest of us that that makes sense?

Would someone like to add on to that?

* **Helping students to rely more on themselves to determine whether something is mathematically correct**

Why do you think that?

Why is that true?

How did you reach that conclusion?

Does that make sense?

Can you design a model to show that?

* **Helping students to reason mathematically**

Why does . . . work?

Does that always work?

Is that true for all cases?

Can you think of a counterexample?

How could you prove that?

What assumptions are you making?

* **Helping students to learn to conjecture, invent, and solve problems**

What would happen if…..? What if not?

Do you see a pattern?

What are some possibilities here?

Can you predict the next one? What about the last one?

How did you think about the problem?

What decision do you think he should make?

What is alike and what is different about your method of solution and hers?

* **Helping students connect mathematics, its ideas and its applications**

How does this relate to . . .?

What ideas that we have learned were useful in solving this problem?

Have we ever solved a problem like this before?

Can you give me an example of…..?