Metacognitive Questions

1. When have you met a similar problem like this before? / does this problem remind you of another one you have faced? How? What is similar about the problem? What is different about the problem? How did you go about solving that problem? How can we use that here? What steps did you take in the past to solve similar problems?

2. Which did you find easier? Which did you like more? What was it that was easier / more likeable? What made the other (rejected) one trickier / less preferable?

3. Which do you think are similar and different? Why do you think this?

4. Why do you think this works? How would you prove your answer to be right? Which steps did you take to solve this problem / prove this to be true / go about this piece of work?

5. What is it you think you have to do? What makes you think that? How do you know it's not something else?

6. What do you want to do / achieve? How will you do that? Is there another way? What are some alternatives? Now that this way is not working the way we wanted it to, is there another way we could explore?

7. What are you going to need to do in order to complete this activity? Which of these things is most important? What makes you say that?

8. What will you do first? What will the different steps be to how you do this? Do you have a plan? Tell me about it

9. How will you know you are right in what you have done? Is there a way you can show it is right? Are there other ways?

10. What worked well? Why do you think that? If you did it again, would you do anything differently? If so, what? Which other situations could you apply this to? Which other lessons / activities could this be useful to? When (provide example) how could what you have just done be useful?

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