





Progression in reasoning	Key Words	Example	Sentence Starters	Adult prompts
<b>Pili Pala</b> 	Describe	Child can say what they did but no reasons are given.		What can you see?  What is the same? What is different?
<b>Pengwin</b> 	Describe Explain	Child can say what they did but no reasons are given.  Child offers reasons for decisions. Reasons might or might not be correct.	I did this because...	Can you describe what you have done?  How did you get that answer?  Can you find...?
<b>Pysgodyn</b> 	Describe Explain Convince	As above. Child has a chain of reasoning and is confident this is correct. More coherent than explain stage.	I did this because...  I think this because...	What have you been asked to do?  What do you notice?  What else do you know?  What else do you know?
<b>Pry Cop</b> 	Describe Explain Convince Justify Prove	As above.  Child gives a correct logical argument.  Child gives mathematically sound arguments. Arguments are based on mathematical structures. Checks work and arguments to make sure they are correct.	It is this because...  I did this... which leads to this...  I noticed...  I used this strategy because...  I tried this...  Because I know that...	What strategy are you going to use?  Are there any strategies you have used before that might be useful? (APK)  Do you need to try something different?  Can you prove it?