# Explain it	 Explain their processes in solving a problem one way. Explain their thought processes in solving a problem and representing it in several ways. Discuss, explain and demonstrate solving a problem with multiple representations and in multiple ways. What do you think about what said? Does anyone have the same answer but a different way to explain it?
# Prove it	 Prove their thinking for the solution they have found. Prove their thinking with accurate vocabulary. Justify, with accurate language and vocabulary why their solution is correct. How did you reach that conclusion? How might you justify your Convince someone you are right through explaining your Can you refine your argument by explaining in a different way?
# Draw it	 Reason with models or pictorial representations to solve problems. Are able to translate situations into symbols for solving problems. Convert situations into symbols to appropriately solve problems as well as convert symbols into meaningful situations. How could you use a diagram to further your understanding? Can you illustrate your thinking by drawing a picture? Could you use a bar model to deepen your understanding? Would it be possible to use another drawing / representation to solve the question?
# Story it	 Translate numbers within puzzle to a 'real life' story verbally. Devise a meaningful 'real life' maths story to use alongside a number sentence. Translate numbers within puzzle to a 'real life' story and how the numbers within the number sentence relate to a partner? How might you represent your 'real life' maths story in words? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? Can you devise a similar 'real life' maths story in words? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? Can you explain your 'real life' story and how the numbers within the number sentence relate to a partner? I words? Can you devise a similar 'real life' maths story to challenge a partner with?

Maths Stem Questions