All levels of mathematics Overplanning

All participants are involved

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Not too intimidating Challenging Easy to generate data Strategies embedded Associated with a lesson Moral to the story Cognitive dissonance

Surprise



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Some closure Some open endedness Group or individual Multilayered problems Opportunities for discussion Little intro prep/setup Patterns Connections within mathematics Multiple pathways Gives participants something to bring



Reasoning/argumentation Memorable problems Spatial Games Intro fun Not too much tedium

For the MTC veterans out there, do the items on the lists above square with your experience of what makes a good Math Teachers' Circle?

Note: This exercise was given as a way to create closure for the How to Run a Math Teachers' Circle workshop. Participants had been working problems in MTC sessions all week and this gave them a chance to reflect on the experience. I think this exercise of thinking about good problems and a good class session could also be used in other mathematics courses. Imagine your own classes generating lists about what makes a good student, a good teacher, a good exam, a good problem set, etc. The possibilities are endless! Happy list generating!!!

Posted by Mathematical Association of America at 6:18 AM



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