# PCMI-Inspired Differentiation

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# PCMI Morning Math

Opener
Important Stuff
Neat Stuff
Tough Stuff

# Idealism

All students will complete all tasks every week.

# Realism

100% of my students can do _____.

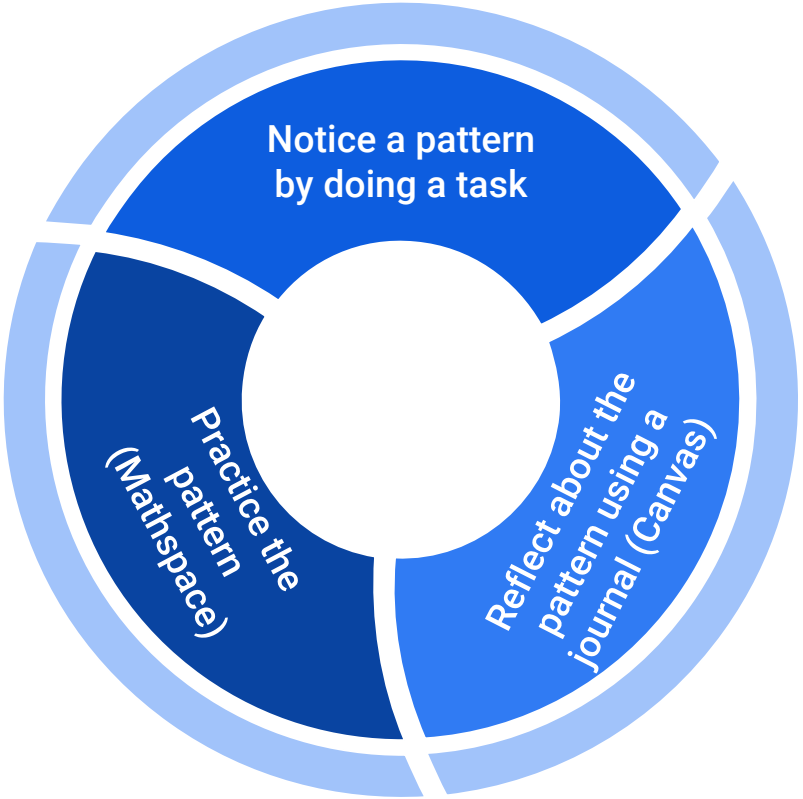
70% of my students can do _____.

30% of my students can do _____.

Thanks to P. Cryder

# A Level Cycle

Adapted from "Mathematics Vision Project", CC-BY-4.0



| Level 1 | Level 2 | Level 3 | Level 4 | Honors |
| --- | --- | --- | --- | --- |
| **What everyone should do & review and an introduction to the new material this week** | Gradually more advanced material that fits the theme for the week. | | | **For those who want the challenge (honors credit).** |

# Completing the Square

| Level 1 | Level 2 | Level 3 | Level 4 | Honors |
| --- | --- | --- | --- | --- |
| Review of complex numbers and rational exponents<br><br>How to complete the square with x^2 + bx + c, b even, using Algebra Tiles. | Completing the square with “Imperfect squares”. | Completing the square with a is not 1, both perfectly and “imperfectly”. | Completing the square with an odd b. | The modulus of a complex number (honors credit). |

https://drive.google.com/file/d/1l2RbW0kYf5f1hUAxXl-p7tydeABh8R5Q/view?usp=sharing

# Grades?

| Any work? | Level 1* | Level 2 | Level 3 | Level 4 |
|---|---|---|---|---|
| 60% | 70% | 80% | 90% | 100% |

# Questions?