

# The 8 Common Core Mathematical Practice Standards

## What will they sound like in the classroom?

**MP#1: Make sense of problems and persevere in solving them.**

*I think it's slope*

*Find the height*

**What exactly is this problem asking me to do?**

*How can I get that information ?*

*How long will it take to...*

**MP#2: Reason abstractly and quantitatively.**

$\pi$

$54/7$

**I know I need to multiply, but what do these numbers represent?**

$7.2139$

$10^3$

**MP#3: Construct viable arguments and critique the reasoning of others.**

*Can that really be right?*

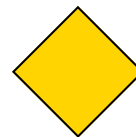
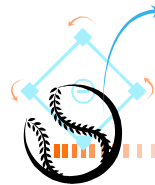
**I think that step is wrong because...**

*A plane moves faster than 50 mph!*

*How do I defend my answer?*

**MP#4: Model with mathematics.**

**Can I use math to represent this situation?**



$f(x) =$

**MP#5: Use appropriate tools strategically.**

$0 / 8 = ?$

**Do I need my calculator for this?**

*Find the maximum*

$5 \times 1 = ?$

$y = 3x - 15$

**MP#6: Attend to precision.**

$6.24 \times 10^8$

**Do I need to round my answer? Did I remember to label my answer?**

$7.33 \text{ ft.}^2$

$\frac{\sqrt{3}}{2} \approx 0.866025$

**MP#7: Look for and make use of structure.**

$37 + 56 = 80 + 13 = 93$

**Can I break this problem down into something simpler?**

$7 \times 6 =$   
 $(7 \times 3) + (7 \times 3)$

$23 \times 8$   
 $= 160 + 24$   
 $= 184$

**MP#8: Look for and express regularity in repeated reasoning.**

**Is there a pattern in this problem that I can use?**

$A, C, F, J, \dots$

$2, 4, 6, 8, \dots$

$1, 3, 5, 9, \dots$