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.

π

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.

6.24×10^8

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

7.33 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?

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

23×8
$= 160 + 24$
$= 184$

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,...

2, 4, 6, 8,...

1, 3, 5, 9,...

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