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

10³

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

Can that really be right?

I think that step is wrong because...

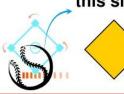
A plane moves faster than 50 mph!

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 x 1 = ?

y = 3x-15

MP#6: Attend to precision.

6.24 x 108

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

7.33 ft.2



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

Can I break this problem down into something simpler?

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

$$23 \times 8$$

= $160 + 24$

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,...