

GRADES
3-8

Language OF THE MATH PRACTICES

MATH PRACTICE 1

Make sense of problems and persevere in solving them.

What is the problem asking?

You worked hard on this!

I can keep working toward a solution without giving up.

I can decide which operation to use.

MATH PRACTICE 2

Reason abstractly and quantitatively

What does that number mean in this context?

Write an equation that shows what is happening in this problem.

I can think about how numbers are related.

I can use numbers to show what is happening in word problems.

MATH PRACTICE 3

Construct viable arguments and critique the reasoning of others.

Tell me how you found your answer.

Why did you choose this strategy?

Let's compare solutions.

I can explain to others how I solved a problem.

I can see how others solved a problem, even if it's not my way.

MATH PRACTICE 4

Model with mathematics.

Can you represent that problem with a diagram or drawing?

Tell me what this model represents.

I can show math ideas in a variety of ways.

I can look at this model and tell what it represents.

MATH PRACTICE 5

Use appropriate tools strategically.

What tool could you use?

Why did you choose this tool?

Would a different tool have affected the result?

I can decide which math tool might be best to help me with a task.

I can use math tools correctly.

MATH PRACTICE 6

Attend to precision.

Can you use math words to describe your process?

How could you check your work?

I can use precise language.

I can check to see if my work is correct.

MATH PRACTICE 7

Look for and make use of structure.

Describe how these tasks are similar.

What is a "math rule" you could make with this evidence?

I can find patterns in the numbers I'm using.

I can use what I already know about math to solve new problems.

MATH PRACTICE 8

Look for and express regularity in repeated reasoning.

What math processes are repeated in this task?

Can you find a shortcut for this process?

I can find shortcuts.

I can determine if my strategy works in multiple situations.