# The Five Practices in Practice at a Glance

Candid quotes from been-there teachers illuminate the topic of each chapter.

as a teacher. For example, when you're trying to move a student forward toward the goal and they're struggling, how do you get them there without giving them the answer? Focusing on the assessing and advancing questions, figuring out what they know, and then letting them think and kind of grapple with the idea—that has really been the biggest shift in my mind.

-MICHELLE MUSUMECI, EIGHTH-GRADE TEACHER

Pause and Consider moments invite teachers to reflect on and make connections to their own practice.

## PAUSE AND CONSIDER

How do you track students' ideas during instruction?

How do you circulate among your students as they are working?

What techniques might help you more effectively track student thinking in your classroom?

#### TEACHING TAKEAWAY

You can often gauge the effectiveness of advancing questions by noticing whether students immediately begin to explore it! explore, or reconsider ideas about the task. Mrs. Mossot

I'm hoping that after I pose the question, they have to about it, or do a little bit of work, or have a little confe other students they're working with where I can go in, the other groups are doing, and then come back to the

This ability for students to pursue an advancing quest as you pose advancing questions, you will want to gaug reaction. Do they begin working? Can you see them t something over? Do they ask each other questions? Mrs. S that when "they kind of stop and think, there's kids the the wheels turning in their head and they might go an That's when I know that they were ready for that [advan]

Of course, what is most essential is that your advancing c students to move forward in their thinking. After you a question, you will want to give students time to wo want to check back in with the group to see how they Ms. Musumeci explained that in her experience,

Teaching Takeaways provide on-your-feet support for teachers, so they can jump into implementing the strategies discussed.

Video showcase panels highlight the rich film footage available for each topic and include related questions for consideration.



## Analyzing the Work of Teaching 4.7

Following Up With Students—Part Two





Video Clip 4.7

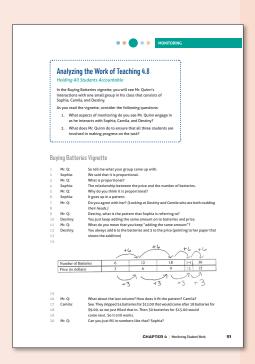
Mrs. Mossotti visits Nietzsche, Ejub, and AJ on two separate occasions while they are working on the State Fair task.

As you watch Video Clip 4.7, consider the following questions:

- What does Mrs. Mossotti learn about her students' understanding during her first visit to the group?
- 2. What question does the teacher leave students to pursue?
- 3. When the teacher checks in with the group later (her second visit), what progress have students made? What does she leave them to work on?

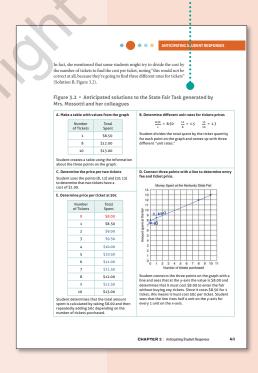


Videos may also be accessed at resources.corwin.com/5practices-middleschool





Illustrative vignettes and examples demonstrate real-world applications of the concepts discussed in each chapter.



## An in-depth Linking the Five Practices to Your Own Instruction

feature helps teachers move even deeper into implementation, providing detailed support and additional reflective opportunities.



## Linking the Five Practices to Your Own Instruction <-

#### MONITORING

It is now time to teach the lesson you planned in Chapters 2 and 3! (Or if you prefer, select another lesson. Just make sure that you have engaged in Practice 0 and have anticipated student responses and questions before you begin.) We encourage you to video record the lesson so that you can reflect back on what occurred during the lesson.

- Before teaching the lesson, consider how you are going to make sure you visit every group and remember the questions you leave groups to pursue. Also, consider whether there are any specific instructions you want to give students regarding your expectations for how you expect them to work in their groups.
- As you teach the lesson, use your monitoring chart to keep track of the strategies students are using. Be sure you are checking in with every group and returning to groups to see if they are making good progress.
- 3. Following the lesson, use these questions to guide reflection on your monitoring:
  - Did you interact with each group in the class? If not, what
    could you do differently to ensure that you have a chance to
    check in with all of your students? Did you return to groups
    when you said you would to check on their progress?
  - To what extent did students use the strategies you had anticipated? What was unexpected?
  - To what extent were the assessing questions you anticipated in planning useful in your interactions with students? Did they help you make students' thinking clear and public?
  - To what extent were the advancing questions you anticipated in planning useful in your interactions with students? Did they help students make progress on the task?
  - To what extent were you able to involve all members of a group in the conversation? What might you do differently in the future to hear the voices of more students?
- 4. What did you learn about students' understanding of mathematics as a result of teaching the lesson?
- 5. What lessons have you learned about monitoring that will help you in planning and enacting the next lesson you teach?

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The Five Practices in Practice

Pizza Party

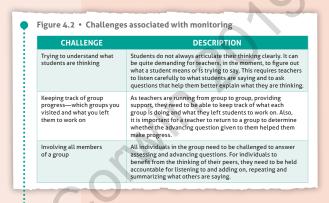
You ordered pizza for your birthday party. When the party was over you still.
had 4½ pizzas left over. Your mother decided to freeze the remaining pizza.
She put 3/2 of a pizza (one serving) in each freezer bag.
1. How many servings would your mother be able to freeze?
2. How much more pizza does your mother need to make another serving?

Draw a picture, build a model, construct a number line, or make a table to explain your solution.

Source: Task adapted from Nolan, Dixon, Boy & Andreasen, 2016.
Image Source: bonettal/Stock.com

During the discussion with her colleagues regarding her goals and task,
Mrs. Saroney indicated that this would be the first time that students

Clearly designed tasks promote mathematical reasoning and problem solving.



Challenge and Description charts distill and demystify some of the common issues teachers encounter when teaching the concepts at hand.

### What It Takes/Key Questions

charts break down the critical components of the practice and explain what it takes to succeed and the questions you need to ask yourself to stay on track.

students' thinking forward (advancing questions). Figure 4.1 highlights the key components of this practice.

WHAT IT TAKES	KEY QUESTIONS
Tracking student thinking	How will you keep track of students' responses during the lesson?
	How will you ensure that you check in with all students during the lesson?
Assessing student thinking	Are your assessing questions meeting students where they are?
	Are your assessing questions making student thinking visible?
Advancing student thinking	Are your advancing questions driven by your lesson goals?
	Are students able to pursue advancing questions on their own?
	Are your advancing questions helping students to progress?