

# Why Appropriate Assessment Assignment is Needed

## If appropriately assigned, it will

- provide valid interpretations about students' understanding.
- diagnose students' misconceptions and errors.
- give teachers insight to students' understanding.
- provide valuable information for making instructional decisions.

## If inappropriately assigned, it will

- provide invalid interpretations.
- guide teachers to make incorrect decisions about students' understanding.
- have limited use for making instructional decisions.



# Diagnostic Decision Tree

The test may be misassigned if

- the results do not align with your own observations about the students' strengths and opportunities, or
- useful information is not generated.
  - Student does not respond correctly to any items.
  - Student responds correctly to all items.

# Which assessment would you assign?

## Student 1: Sarah - 6<sup>th</sup> grade

- She participated in the MSTAR Universal Screener.
  - Spring classification: Tier 3A
- She understands basic fraction concepts but has difficulty generating different forms of rational numbers and applying rational numbers.

Teacher: Mrs. Berryhill						Period: 2nd				
Student	Naming Fractions HW	Modeling Fractions Quiz	Equipartitioning HW	Equipartitioning Quiz	Comparing Decimals HW	Comparing Fractions Quiz	Equivalent Fractions HW	Equivalent Fractions Quiz	Equivalent Decimals HW	Equivalent Decimals Quiz
Sarah Fisher	85	80	82	88	72	62	50	56	58	50



# Which assessment would you assign?

## Student 2: Damian - 8<sup>th</sup> grade

- He participated in the MSTAR Universal Screener.
  - Fall classification: Tier 2A
- He works well with positive rational numbers but is currently struggling with equations and expressions in the classroom.

Teacher: Mr. Ballard		Period: 7 <sup>th</sup>								
Student	Operations with Fractions HW	Operations with Decimals HW	Fractions and Decimals Quiz	Unit Test	Intro to Variables HW	Evaluate expressions HW	Simplify Expressions HW	Writing equations HW	Expressions and Equations Quiz	Unit Test
Damian Jones	80	90	90	88	80	75	70	75	65	70

Name: Damian

### Simplifying Expressions

$$8 + y + 10$$

$$18 + y$$

$$5x + 9x$$

$$14x^2$$

$$x^2 + 2x + x^3 + 8$$

$$2x^6 + 8$$



# Which assessment would you assign?

## Student 3: Julie - 5<sup>th</sup> grade

- She participated in the MSTAR Universal Screener.
  - Fall classification: Tier 1A
  - Winter classification: Tier 1B
- Mathematics classroom averages
  - 1<sup>st</sup> 6 weeks: 90
  - 2<sup>nd</sup> 6 weeks: 86
  - 3<sup>rd</sup> 6 weeks: 78

Name: Julie

### Adding & Subtracting Fractions

$\frac{1}{3} + \frac{1}{3} =$ $\frac{2}{3}$	$\frac{2}{3} + \frac{1}{4} =$ $\frac{3}{7}$
$\frac{9}{10} - \frac{1}{2} =$ $\frac{8}{8}$	$1 - \frac{3}{5} =$ $\frac{2}{4}$



# Diagnostic Decision Tree

- Take a look at your screener reports.
  - Which students would be taking a diagnostic assessment?
  - Which assessment would each take?
  - Write down your thoughts about 2 students (which assessment you choose and why) in your learning portfolio.
- Discuss one student and your reasoning on the discussion board.