

2017 SAMPLE ASSESSMENT

# MATHEMATICS FAMILY REPORT

## DAVID CARTWRIGHT

Washington Middle School

## GRADE 8

Lincoln School District

### ABOUT THIS ASSESSMENT

David took the Sample Assessment in Mathematics in Spring 2017. This test asks students to answer questions that measure the knowledge and skills they need to succeed in their grade.

If you have questions about this report, please talk to David's teacher or principal, or contact Lincoln School District at **(800) 555-1234**.

### WHAT THE RESULTS MEAN

This report will help you answer many questions about David's knowledge and skills.

- What is David's Overall Score?
- How did David perform compared to other students in Grade 8?
- How well did David learn specific knowledge and skills in Grade 8 mathematics?
- How likely is David prepared for high school mathematics?

## DAVID'S PERFORMANCE ON THE 8TH GRADE MATHEMATICS ASSESSMENT

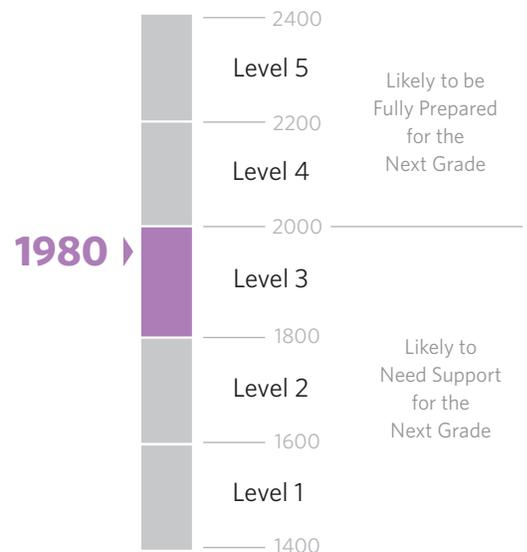
### PERFORMANCE LEVEL



Students who score in Level 3 show **Moderate Understanding** of the expectations for their grade. They are likely to need additional support to be fully prepared for high school mathematics.

### OVERALL SCORE

# 1980



**Level 5** Very strong understanding, highly likely to be fully prepared

**Level 4** Strong understanding, likely to be fully prepared

**Level 3** Moderate understanding, likely to need additional support to be fully prepared

**Level 2** Partial understanding, likely to need substantial support to be fully prepared

**Level 1** Minimal understanding, highly likely to need substantial support to be fully prepared

### NEXT STEPS

Turn to the second page to learn more about David's knowledge and skills in mathematics. You will also find more information about his mathematics scores for the last two years, and information about the scores for other 8th grade students in his school, district and state.

MATHEMATICS SCORING CATEGORIES

REASONING WITH NUMBERS	REASONING WITH ALGEBRA	REASONING WITH GEOMETRY	REASONING WITH STATISTICS	PROBLEM SOLVING & COMMUNICATION
<b>At/Above Mastery</b> ✓	<b>Below Mastery</b> —	<b>At/Above Mastery</b> ✓	<b>Below Mastery</b> —	<b>Below Mastery</b> —
Demonstrates effective reasoning through the use of numbers	Needs additional support to demonstrate effective reasoning with algebra	Demonstrates effective geometric reasoning	Needs additional support to demonstrate effective reasoning through statistical analysis and related concepts	Needs additional support to demonstrate effective problem solving and communication skills

DAVID'S PERFORMANCE COMPARED

Percent of students in each Performance Level.

David's Level ■

	Washington High	Lincoln District	Jefferson State	Consortium States
Level 5	06%	10%	08%	10%
Level 4	24%	32%	20%	26%
<b>Level 3</b>	<b>40%</b>	<b>36%</b>	<b>42%</b>	<b>38%</b>
Level 2	22%	18%	18%	20%
Level 1	08%	04%	12%	06%

Consortium States:

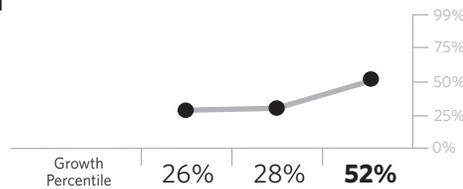
Adams, Franklin, Hancock, Hamilton, Jefferson

DAVID'S MATHEMATICS PERFORMANCE LEVEL OVER THE PAST 3 YEARS



DAVID'S MATHEMATICS GROWTH OVER THE PAST 3 YEARS

In 2017, David showed growth that was the same or better than **52%** of other Grade 8 students across Jefferson State.



DAVID'S STRENGTHS & AREAS FOR IMPROVEMENT

David's strengths are in these areas:

- Understanding that there are numbers that are not rational, and approximating them by rational numbers
- Performing calculations that involve radicals and integer exponents

You can ask David's teachers:

What can we do at home, in class, at school to help him continue building his knowledge and skills in these areas?

David needs to improve his knowledge and skills in these areas:

- Understanding the connections between proportional relationships, lines and linear equations
- Analyzing and solving linear equations and pairs of simultaneous linear equations
- Defining, evaluating, and comparing functions
- Using functions to model relationships between quantities
- Determining patterns of associate in bivariate data
- Using efficient strategies to set up and solve a contextual problem with little or no scaffolding provided

You can ask David's teachers:

What extra support at home, in class, at school does David need so he can improve his knowledge and skills in these areas?