

## OSAS Mathematics Overall Scale Score Proficiency Ranges by Grade Level

The OSAS Mathematics tests give an overall score for Mathematics that is based on **all the Oregon Mathematics standards**, including the Mathematical Practice Standards.

**Mathematics scores are based on four areas:**

*Concepts and Procedures, Problem Solving, Communicating Reasoning, and Modeling & Data Analysis.*

**Each grade has its own scale score range.** The tables below show how scale scores are grouped into the four performance levels for each grade. Find your student's grade and score to see their performance level.

	Level 1	Level 2	Level 3	Level 4
<b>Grade 3</b>	0 – 2380	2381 – 2435	2436 - 2500	2501 or higher
<b>Grade 4</b>	0 – 2410	2411 – 2484	2485 - 2548	2549 or higher
<b>Grade 5</b>	0 – 2454	2455 – 2527	2528 - 2578	2579 or higher
<b>Grade 6</b>	0 – 2472	2473 – 2551	2552 - 2609	2610 or higher
<b>Grade 7</b>	0 – 2483	2484 – 2566	2567 - 2634	2635 or higher
<b>Grade 8</b>	0 – 2503	2504 – 2585	2586 - 2652	2653 or higher
<b>Grade 11</b>	0 – 2542	2543 – 2627	2628 - 2717	2718 or higher

### What do the Concepts and Procedures Scores mean?

In addition to the overall score, your student has more detailed results in one area.

The score report includes a **Concepts and Procedures scale score**, which provides more information in this area. **This score follows the same scale and performance levels as the overall score.** If this score is above the overall score, then your student demonstrated a strength with concepts and procedures. If this score is lower than the overall score, then your student demonstrated relative strength in communicating reasoning, problem solving, and modeling with mathematics.

#### Why this matters:

These scores are one piece of information that can help you and your student's teacher better understand strengths and areas where additional support may be helpful.

### Concepts and Procedures Scale Score Proficiency Achievement Level Descriptors

Level 1	Level 2	Level 3	Level 4
Students show <b>minimal</b> understanding of and ability to apply grade-level mathematics knowledge and skills.	Students show <b>partial</b> understanding of and ability to apply grade-level mathematics knowledge and skills.	Students show <b>adequate</b> understanding of and ability to apply grade-level mathematics knowledge and skills.	Students show <b>thorough</b> understanding of and ability to apply grade-level mathematics knowledge and skills.

**Note:** *Problem Solving, Communicating Reasoning, and Modeling & Data Analysis are included in the overall score, but proficiency levels are not provided for these areas. All areas of the mathematics test include problems at high levels of cognitive complexity requiring students to analyze and apply mathematics at deep levels.*