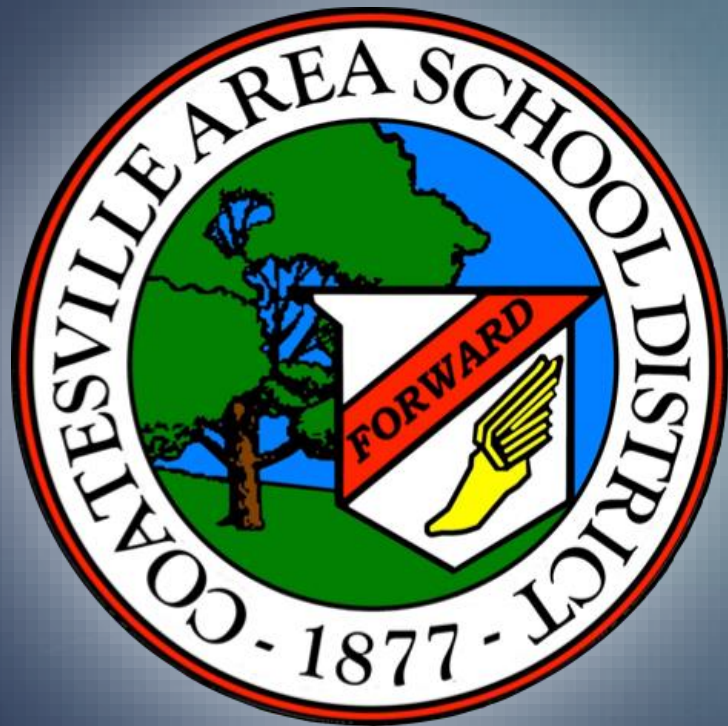


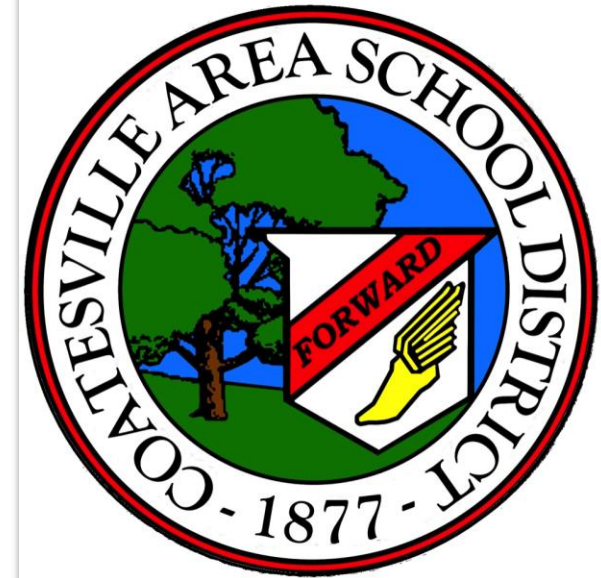
# COATESVILLE AREA SCHOOL DISTRICT



22-23 SPRING DATA UPDATE

# Reading/English Language Arts

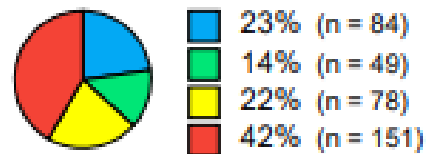
- ▶ This is our first year implementing Open Court Reading (K-5) and Wit & Wisdom (6-7). We will likely see greater gains next school year as we tighten up our implementation and provide additional coaching/professional development. Our teachers embraced our new resources and have grown tremendously this school year.
- ▶ Our current second and third grade cohorts were impacted the most by COVID (school closure and disruptions to learning during their kindergarten and first grade years).
- ▶ A variety of factors impact student achievement/growth (inconsistent staffing, student attendance, behavior, etc.).
- ▶ We are already taking the necessary steps to support buildings that have a higher percentage of students qualifying for tiered supports and services.



# Kindergarten

## Beginning of Year

### Reading Composite Score



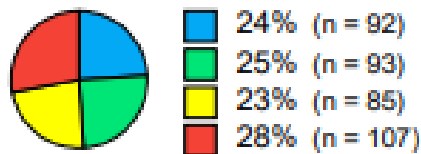
Number of Students = 362

Average = 23.4

Standard Deviation = 23

Score Range = 0 to 105

## Middle of Year



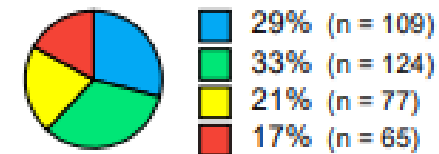
Number of Students = 377

Average = 118

Standard Deviation = 56.7

Score Range = 0 to 305

## End of Year



Number of Students = 375

Average = 128.8

Standard Deviation = 46.4

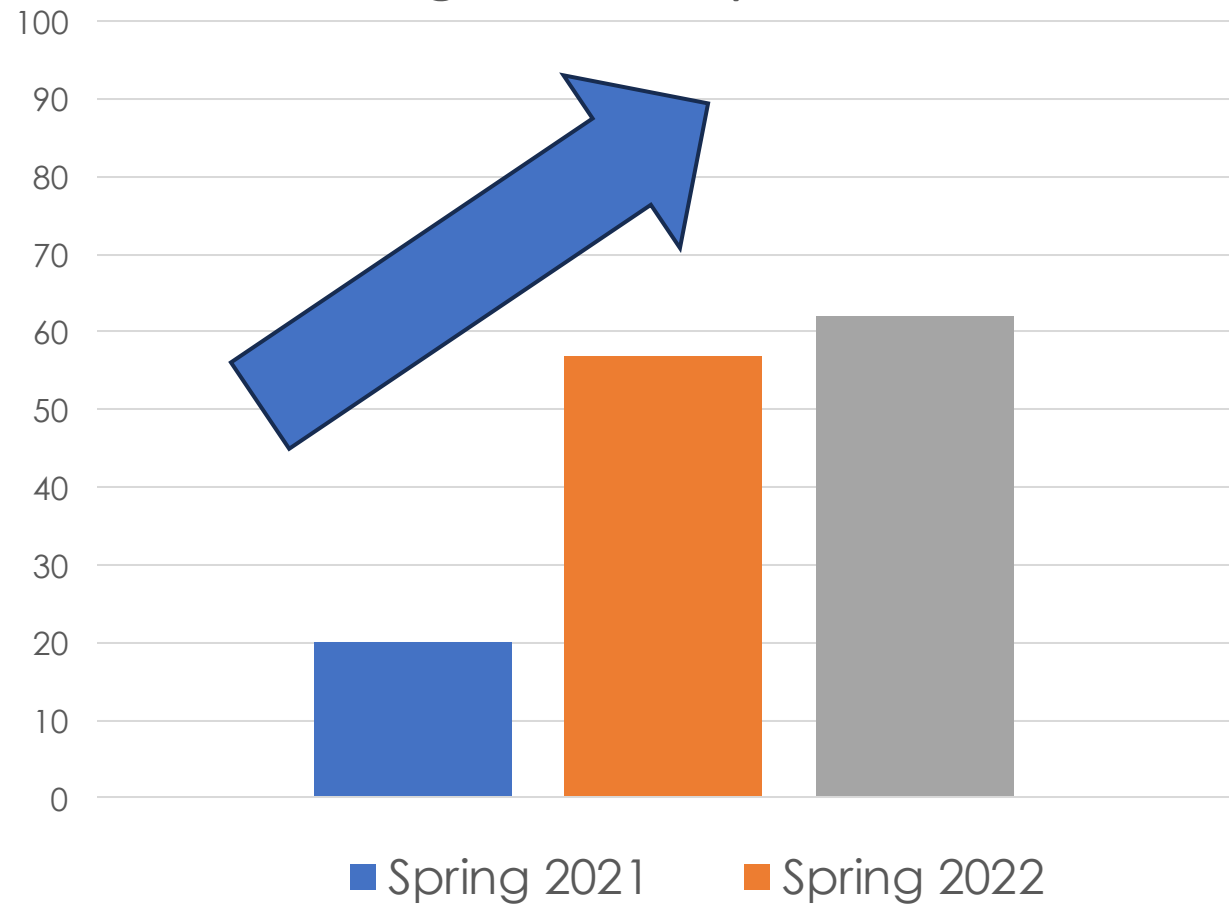
Score Range = 0 to 310

At/Above Benchmark 37% --> 62% (65% of students that started and ended the school year with us.)  
 Well Below Benchmark 42% --> 17% (Only 65 students district-wide will require intensive support moving into first grade, down from 165 students this school year.)

## Kindergarten Multi-Year Comparison Mathematics

- ▶ % of Students At or Above Benchmark increased
- ▶ 20% → 57% → 62%

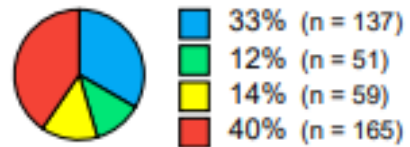
## Acadience Reading: Kindergarten Composite Scores



# First Grade

## Beginning of Year

### Reading Composite Score



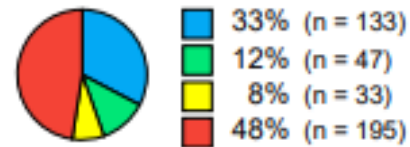
Number of Students = 412

Average = 105.3

Standard Deviation = 52.1

Score Range = 0 to 269

## Middle of Year



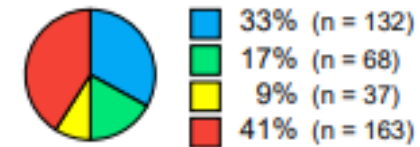
Number of Students = 408

Average = 131.4

Standard Deviation = 104.9

Score Range = 0 to 429

## End of Year



Number of Students = 400

Average = 141.9

Standard Deviation = 104.7

Score Range = 0 to 368

At/Above Benchmark 45% --> 50%

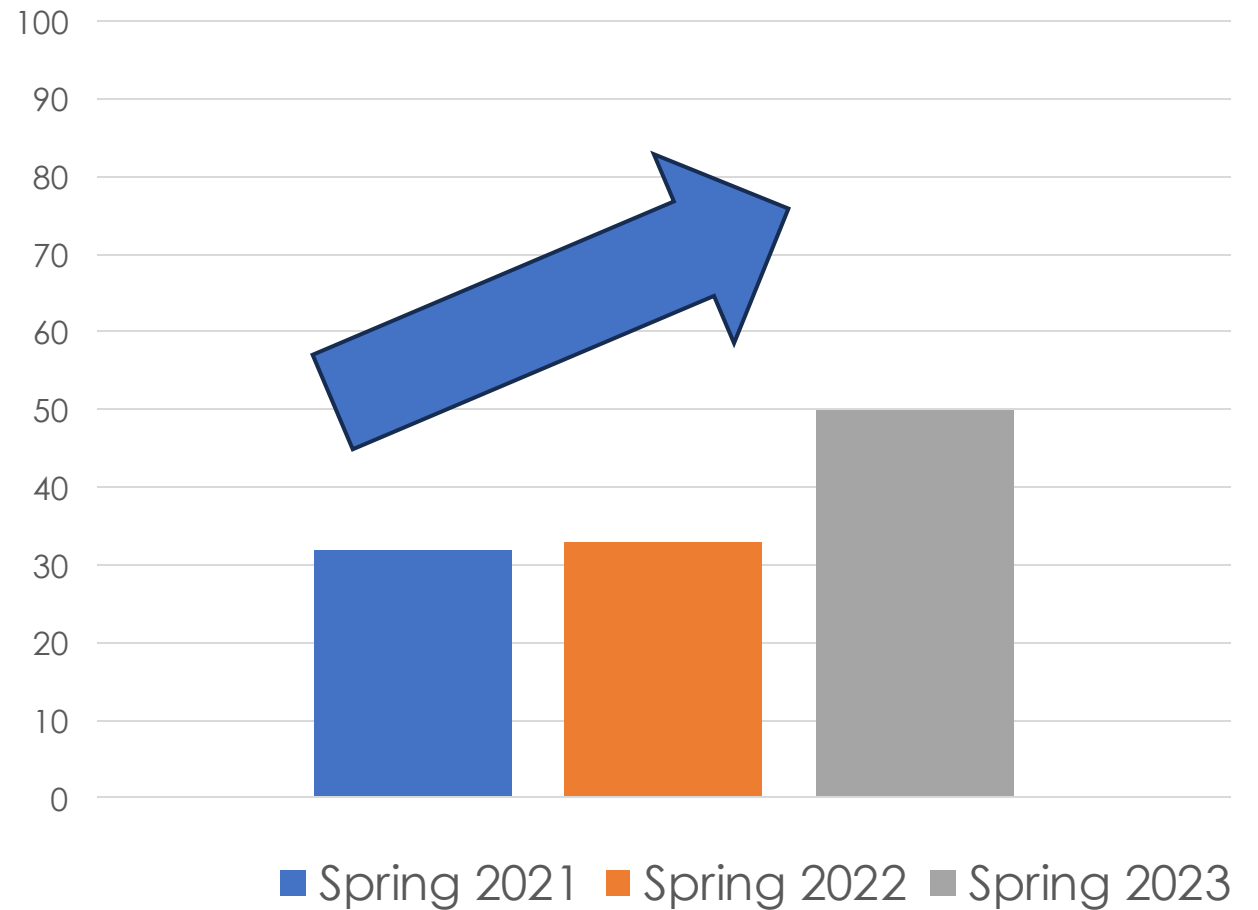
Well Below Benchmark 40% --> 41%

## Kindergarten Multi-Year Comparison Mathematics

▶ % of Students At or Above Benchmark increased

32% → 33% → 50%

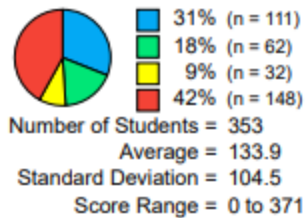
## Acadience Reading: First Grade Composite Scores



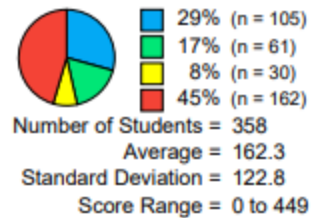
# Second and Third Grade

## Beginning of Year

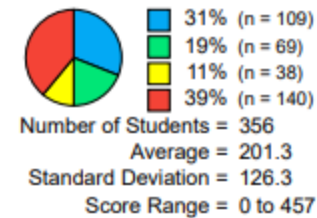
### Reading Composite Score



## Middle of Year



## End of Year



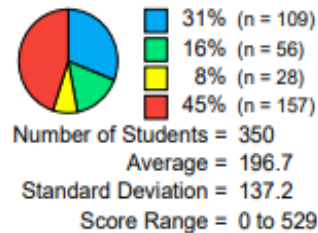
## Second Grade:

At/Above Benchmark 49% --> 50%

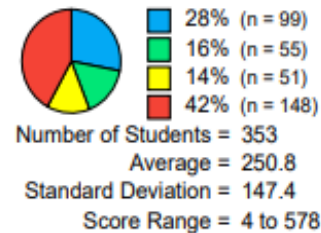
Well Below Benchmark 42% -->  
39%

## Beginning of Year

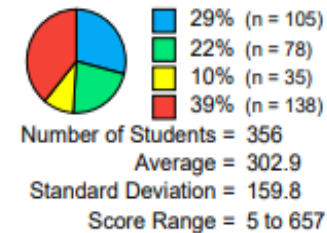
### Reading Composite Score



## Middle of Year



## End of Year



## Third Grade:

At/Above Benchmark 47% --> 51%

Well Below Benchmark 45% -->  
39%

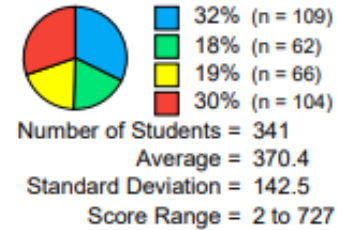
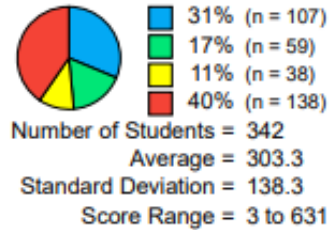
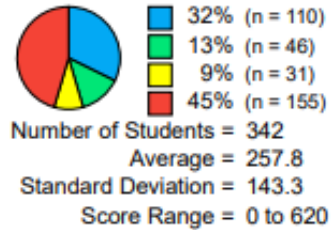
# Fourth and Fifth Grade

## Beginning of Year

## Middle of Year

## End of Year

### Reading Composite Score



## Fourth Grade:

At/Above Benchmark 45% --> 50%

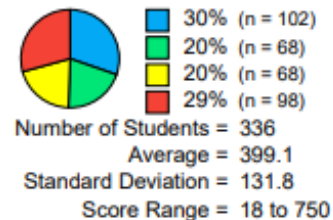
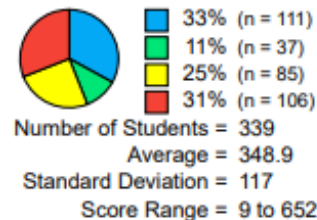
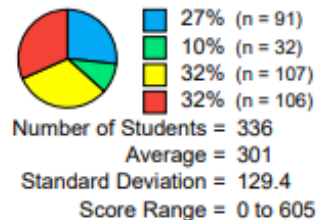
Well Below Benchmark 45% -->  
30% (WOW!)

## Beginning of Year

## Middle of Year

## End of Year

### Reading Composite Score



## Fifth Grade:

At/Above Benchmark 37% --> 50%

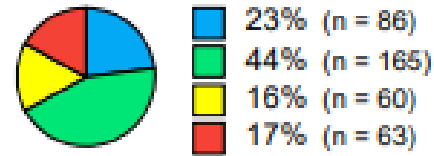
Well Below Benchmark 32% -->  
29%



# Sixth Grade

## Beginning of Year

### Reading Composite Score



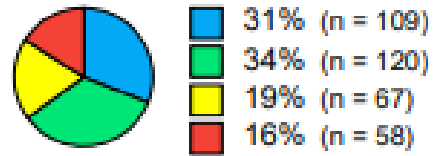
Number of Students = 374

Average = 364

Standard Deviation = 106.6

Score Range = 12 to 635

## Middle of Year



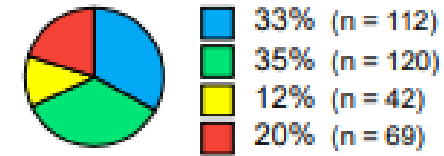
Number of Students = 354

Average = 386.2

Standard Deviation = 123.6

Score Range = 23 to 649

## End of Year



Number of Students = 343

Average = 406.8

Standard Deviation = 127.4

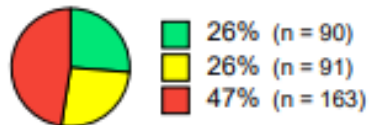
Score Range = 19 to 645

At/Above Benchmark 67% --> 68% (note huge increase in % of students above benchmark)

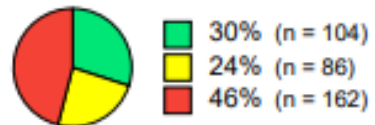
Well Below Benchmark 17% --> 20%

# Seventh Grade

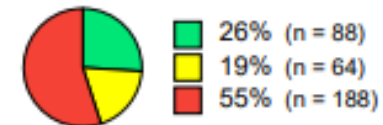
## Gate 1



Number of Students = 344  
 Average = 461.8  
 Standard Deviation = 149.5  
 Score Range = 191 to 941



Number of Students = 352  
 Average = 485.4  
 Standard Deviation = 166.8  
 Score Range = 185 to 1115



Number of Students = 340  
 Average = 476.7  
 Standard Deviation = 180.3  
 Score Range = 179 to 1145

At/Above Benchmark 26% --> 26%  
 Well Below Benchmark 47% --> 55%

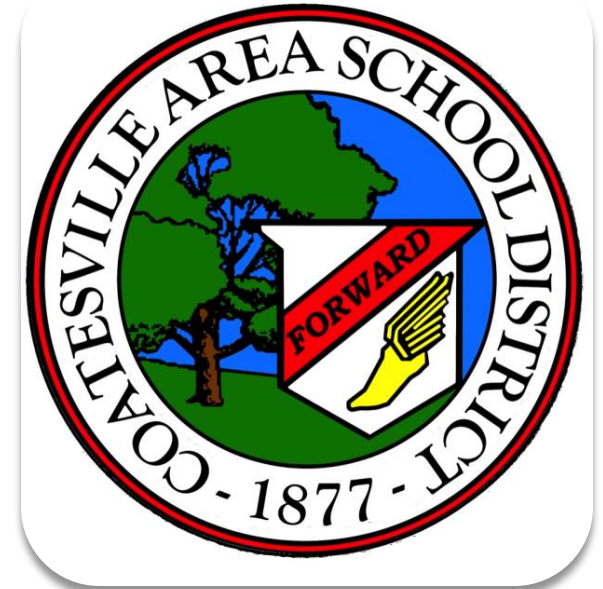
# Eighth- Twelfth Grade

Grade Level	Pre-Assessment (Mean Scaled Score)	Mid-Assessment (Mean Scaled Score)	Post-Assessment (Mean Scaled Score)	Local Pre- to Post- Growth (Mean National Mean)
8	193	194	196	3 (5)
9	194	197	201	7 (6)
10	191	198	201	10 (4)
11	192	198	201	9 (5)
12	192	201	200	8 (0)

# Mathematics Review

## ► Core Mathematics Resources

- In 22-23, 16 math teachers in grades 6 through Algebra II piloted new core math resources. The core resource enVision Math was selected for implementation in 23-24.
- We are proposing pilots of two elementary core resources in grades K-5 in 23-24.
  - enVision Math
  - Reveal Math



# Mathematics Review

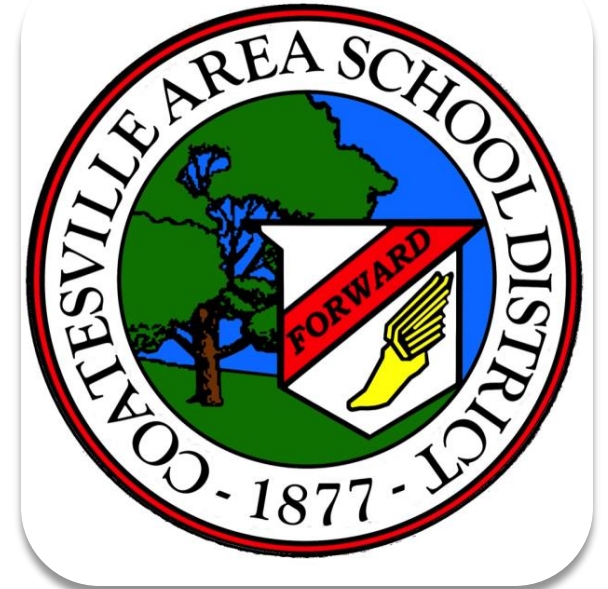
## ▶ IXL Mathematics Summary

- Students used IXL at school (90%) and at home (10%)
- 863 students demonstrated growth of more than 100 points (one grade level) during the 22-23 school year
- Students may continue to access IXL for practice over the summer
- IXL Student Usage
  - All 9 schools are exceeded the minimum goal of an average of 15 questions per student per week
- IXL Skill Proficiency
  - Students demonstrated an average of 0.5 skills proficient per week
  - Our goal for 23-24 will be 1.0 skills proficient per week
- In 23-24 we will strive to increase the utilization of IXL study Plans
  - Aligned to core resources and pilot resources (EDM, Reveal Math, enVision Math)
  - Aligned to PSSA assessments, Algebra I Keystone, PSAT assessment, ACT assessment, SAT assessment

# Mathematics Review

## ► Spring Math Intervention

- In 22-23, teachers implemented Spring Math class-wide interventions in grades 1 through 7.
- Daily class wide intervention began in late October 2022 and will begin at the start of the school year in 2023-24.
- We will likely see additional gains next year as classes reach additional skills in the intervention sequence.
- Four Kindergarten teachers will also pilot Spring Math in 23-24.



# Mathematics: Computation Growth

- ▶ Spring Math supports student growth in Acadience Computation scores
  - **Acadience Math First Grade Computation Scores: BOY to EOY**
    - At/Above Benchmark 26% --> 48% **(+22)**
    - Well Below Benchmark 51% --> 29% **(-22)**
  - **Acadience Math Third Grade Computation Scores: BOY to EOY**
    - At/Above Benchmark increased: 18% --> 39% **(+21)**
    - Well Below Benchmark decreased: 59% --> 41% **(-18)**

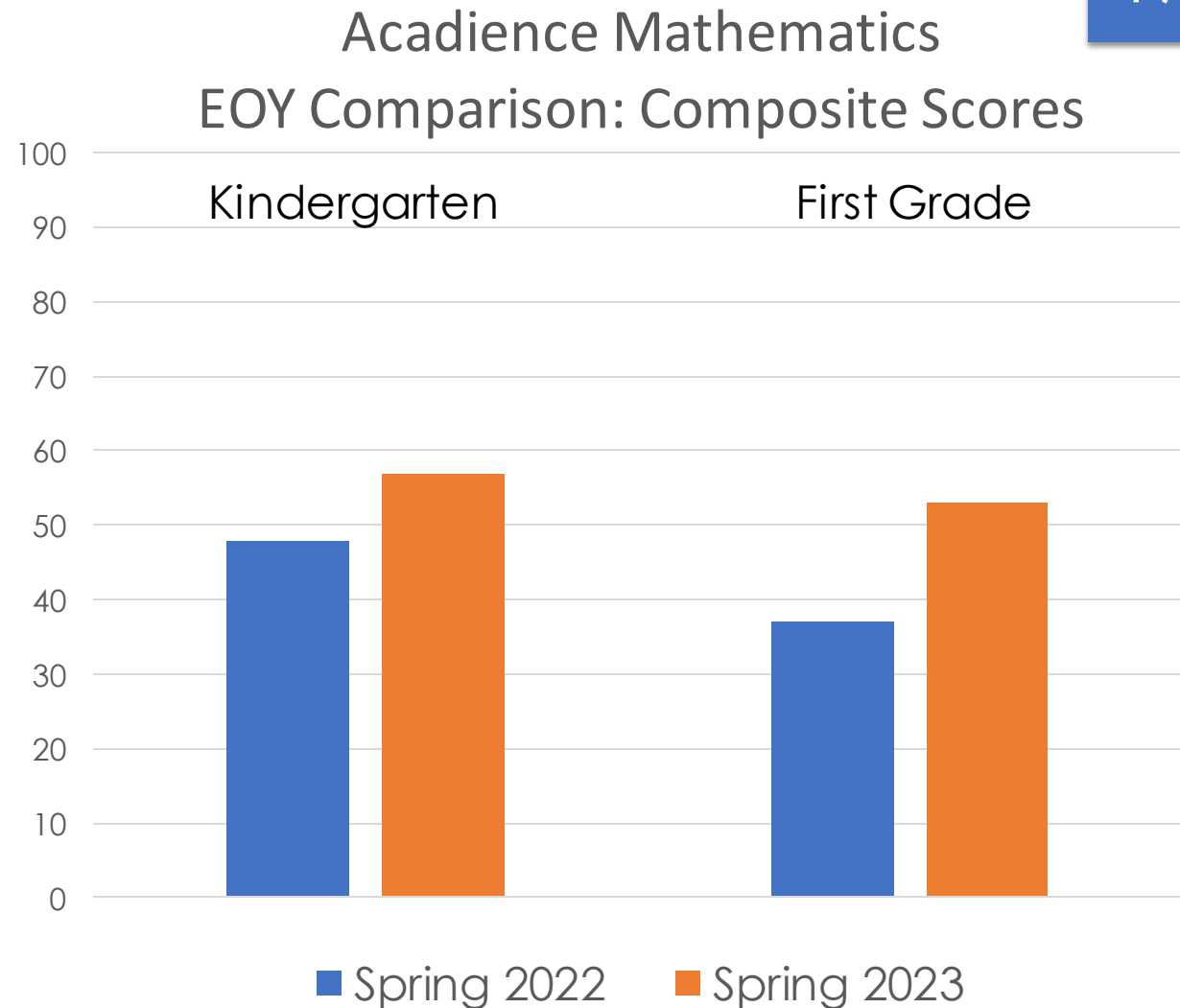
# Mathematics: Computation Growth

- ▶ Spring Math supports student growth in Acadience Computation scores
  - **Acadience Math Fifth Grade Computation Scores: BOY to EOY**
    - At/Above Benchmark increased: 18% --> 39%, **(+21)**
    - Well Below Benchmark decreased: 59% --> 44% **(-15)**
  - **Acadience Math Sixth Grade Computation Scores: BOY to EOY**
    - At/Above Benchmark increased: 15% --> 29% **(+14)**
    - Well Below Benchmark decreased: 59% --> 53% **(-6)**
    - \*\*\*note 20 fewer student scores at the EOY



## Multi-Year Comparison Mathematics

- ▶ % of Students At or Above Benchmark increased
- ▶ Kindergarten:
  - ▶ 48% --> 57% , +9
- ▶ First Grade:
  - ▶ 37% --> 53%, +16
  - ▶ \*\*\*a change in grading may have contributed slightly to the increase in scores



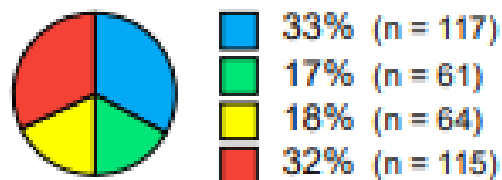
# Kindergarten - Mathematics

## ► Acadience Math Kindergarten Composite Scores: BOY to EOY

- At/Above Benchmark increased: 50% --> 57% **(+7)**
- Well Below Benchmark decreased: 32% --> 23% **(-9)**
- 23 additional students were assessed at EOY

### Beginning of Year

#### Math Composite Score



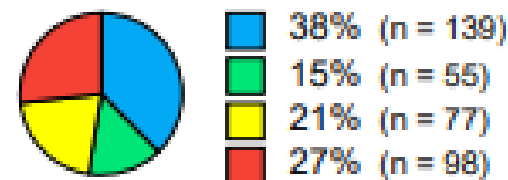
Number of Students = 357

Average = 27

Standard Deviation = 22.3

Score Range = 0 to 150

### Middle of Year



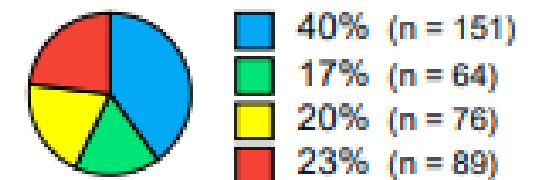
Number of Students = 369

Average = 77.7

Standard Deviation = 42.9

Score Range = 0 to 216

### End of Year



Number of Students = 380

Average = 98.6

Standard Deviation = 41.3

Score Range = 0 to 214

# First Grade - Mathematics

## ▶ Acadience Math First Grade Composite Scores: BOY to EOY

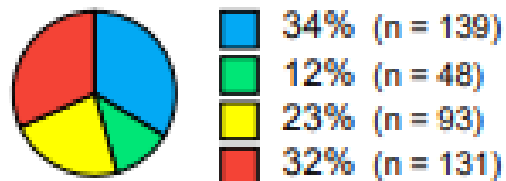
- At/Above Benchmark increased: 46% --> 53% (+7)
- Well Below Benchmark decreased: 32% --> 27% (-5)

### Beginning of Year

### Middle of Year

### End of Year

#### Math Composite Score

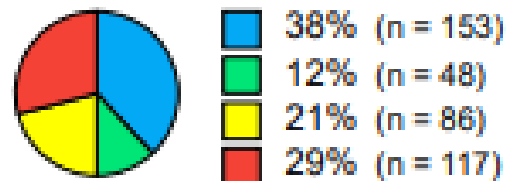


Number of Students = 411

Average = 122

Standard Deviation = 73.1

Score Range = 0 to 356

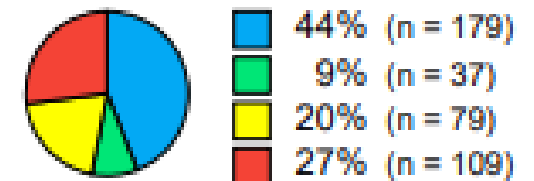


Number of Students = 404

Average = 46.1

Standard Deviation = 23.9

Score Range = 0 to 116



Number of Students = 404

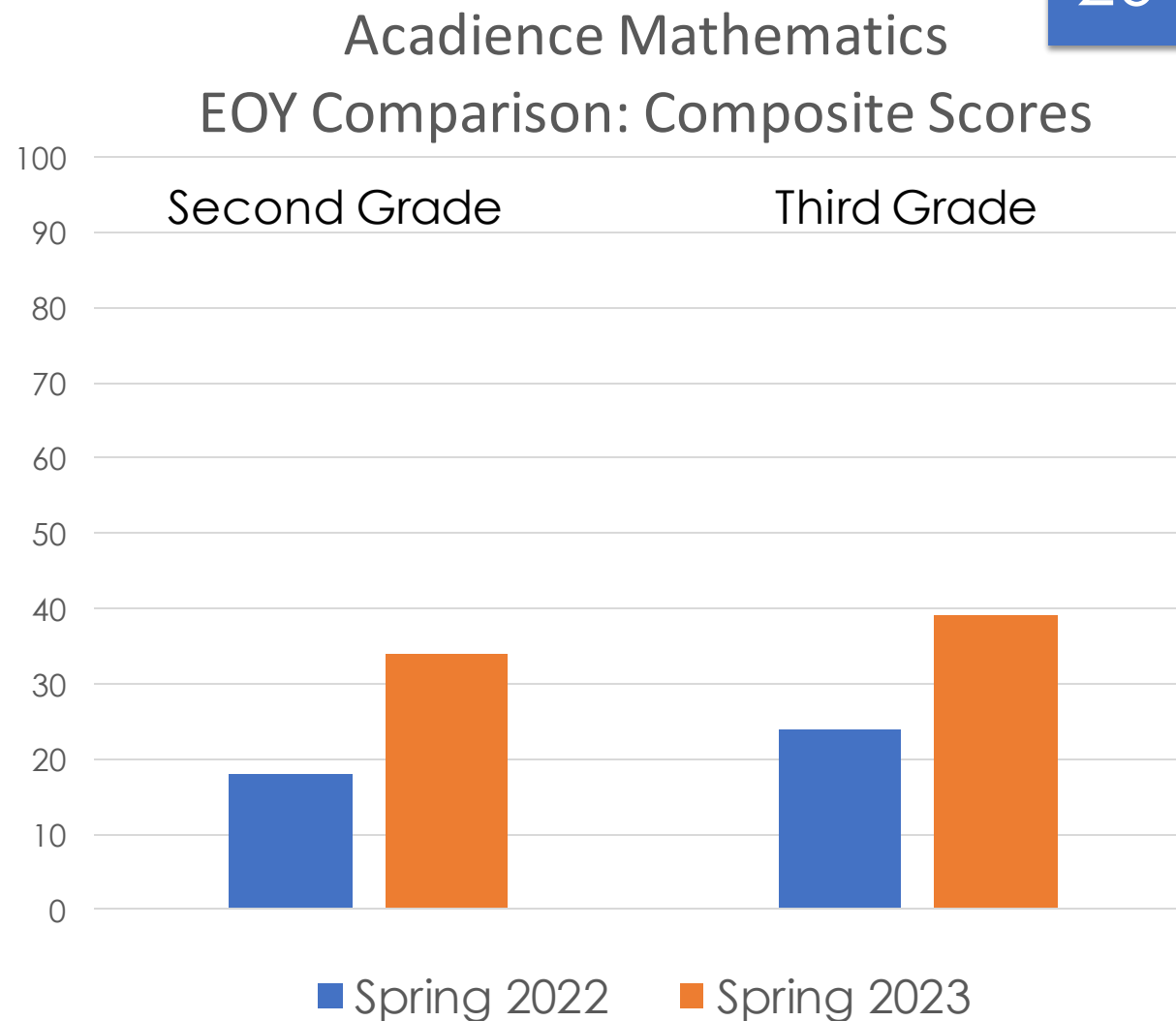
Average = 63.3

Standard Deviation = 29.8

Score Range = 0 to 137

## Multi-Year Comparison Mathematics

- ▶ % of Students At or Above Benchmark increased
- ▶ Second Grade
  - ▶ 18% --> 34%, +16
- ▶ Third Grade
  - ▶ 24% --> 39%, +15

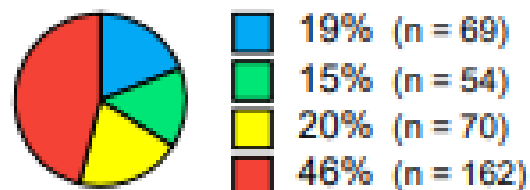


# Second Grade - Mathematics

- ▶ **Acadience Math Second Grade Composite Scores: BOY to EOY**
  - At/Above Benchmark increased: 34% --> 34% (little change)
  - Well Below Benchmark decreased: 46% --> 45% (little change)

## Beginning of Year

### Math Composite Score



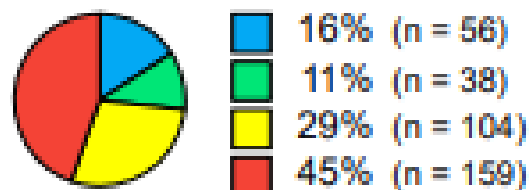
Number of Students = 355

Average = 20.3

Standard Deviation = 15.4

Score Range = 0 to 98

## Middle of Year



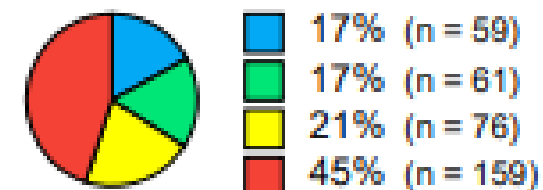
Number of Students = 357

Average = 35.9

Standard Deviation = 22.7

Score Range = 0 to 128

## End of Year



Number of Students = 355

Average = 54

Standard Deviation = 29.4

Score Range = 0 to 135

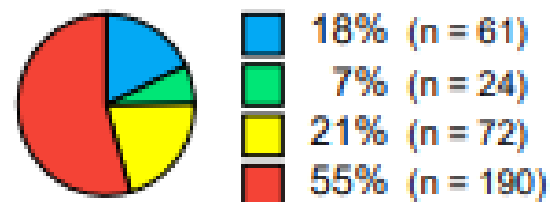
# Third Grade - Mathematics

## ▶ Acadience Math Third Grade Composite Scores: BOY to EOY

- At/Above Benchmark increased: 25% --> 39% **(+14)**
- Well Below Benchmark decreased: 55% --> 40% **(-15)**

### Beginning of Year

#### Math Composite Score



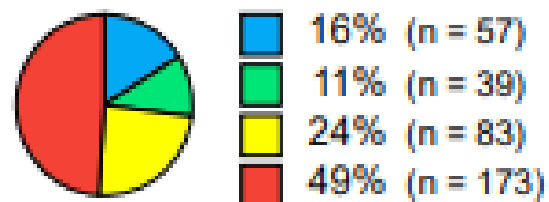
Number of Students = 347

Average = 34.3

Standard Deviation = 24.2

Score Range = 0 to 141

### Middle of Year



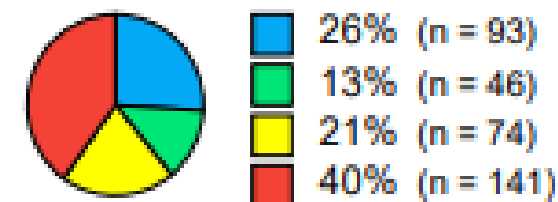
Number of Students = 352

Average = 63.2

Standard Deviation = 37.1

Score Range = 2 to 184

### End of Year



Number of Students = 354

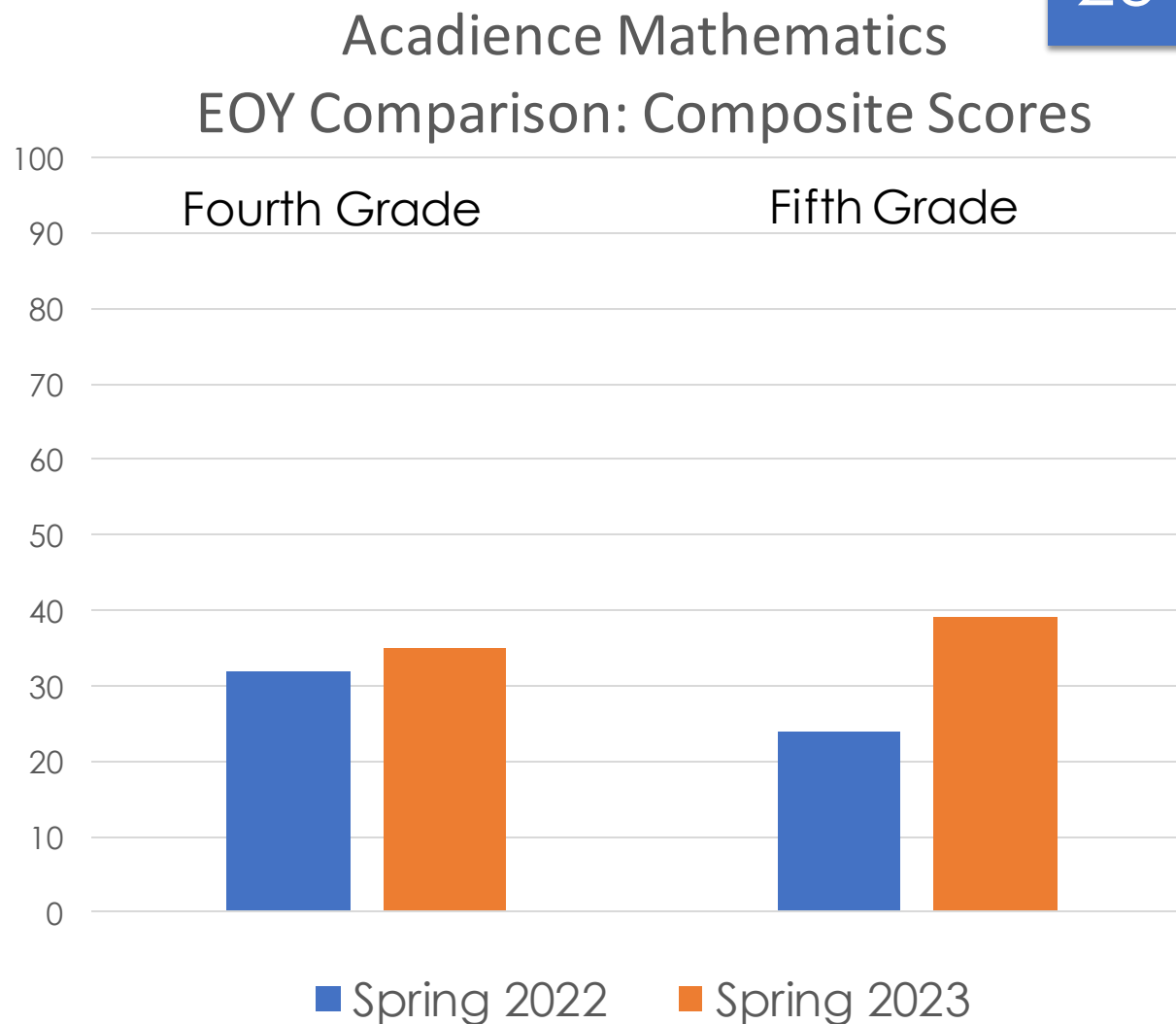
Average = 91.1

Standard Deviation = 48.3

Score Range = 0 to 204

## Multi-Year Comparison Mathematics

- ▶ % of Students At or Above Benchmark increased
- ▶ Fourth Grade
  - ▶ 32% --> 35%, +3
- ▶ Fifth Grade
  - ▶ 24% --> 39%, +15



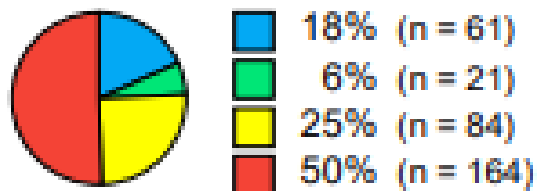
# Fourth Grade - Mathematics

## ► Acadience Math Fourth Grade Composite Scores: BOY to EOY

- At/Above Benchmark increased: 24% --> 35% **(+11)**
- Well Below Benchmark decreased: 50% --> 41% **(-9)**

### Beginning of Year

#### Math Composite Score



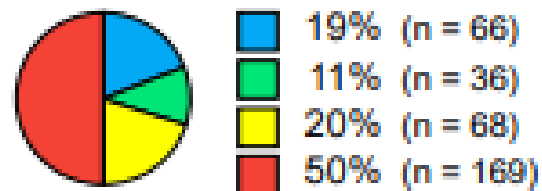
Number of Students = 330

Average = 53.4

Standard Deviation = 33.9

Score Range = 2 to 162

### Middle of Year



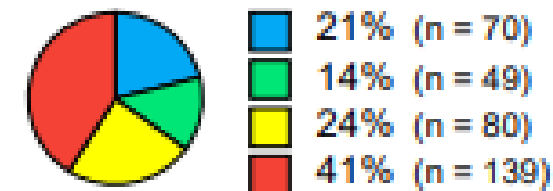
Number of Students = 339

Average = 64.6

Standard Deviation = 39.6

Score Range = 2 to 196

### End of Year



Number of Students = 338

Average = 98.4

Standard Deviation = 52.8

Score Range = 0 to 255



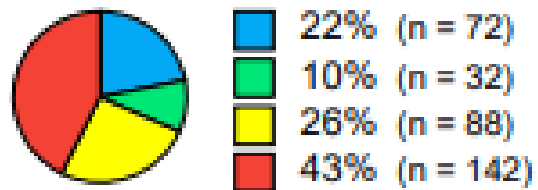
# Fifth Grade - Mathematics

## ► Acadience Math Fifth Grade Composite Scores: BOY to EOY

- At/Above Benchmark increased: 32% --> 40%   (+8)
- Well Below Benchmark decreased: 43% --> 40%   (-3)

### Beginning of Year

#### Math Composite Score



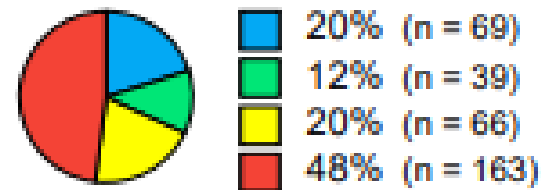
Number of Students = 334

Average = 45.6

Standard Deviation = 31.5

Score Range = 0 to 173

### Middle of Year



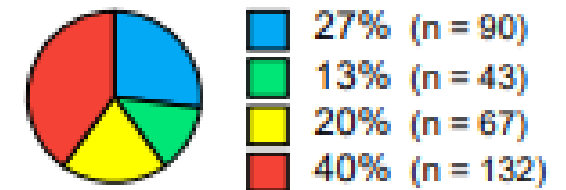
Number of Students = 337

Average = 76.7

Standard Deviation = 50.8

Score Range = 1 to 224

### End of Year



Number of Students = 332

Average = 106.1

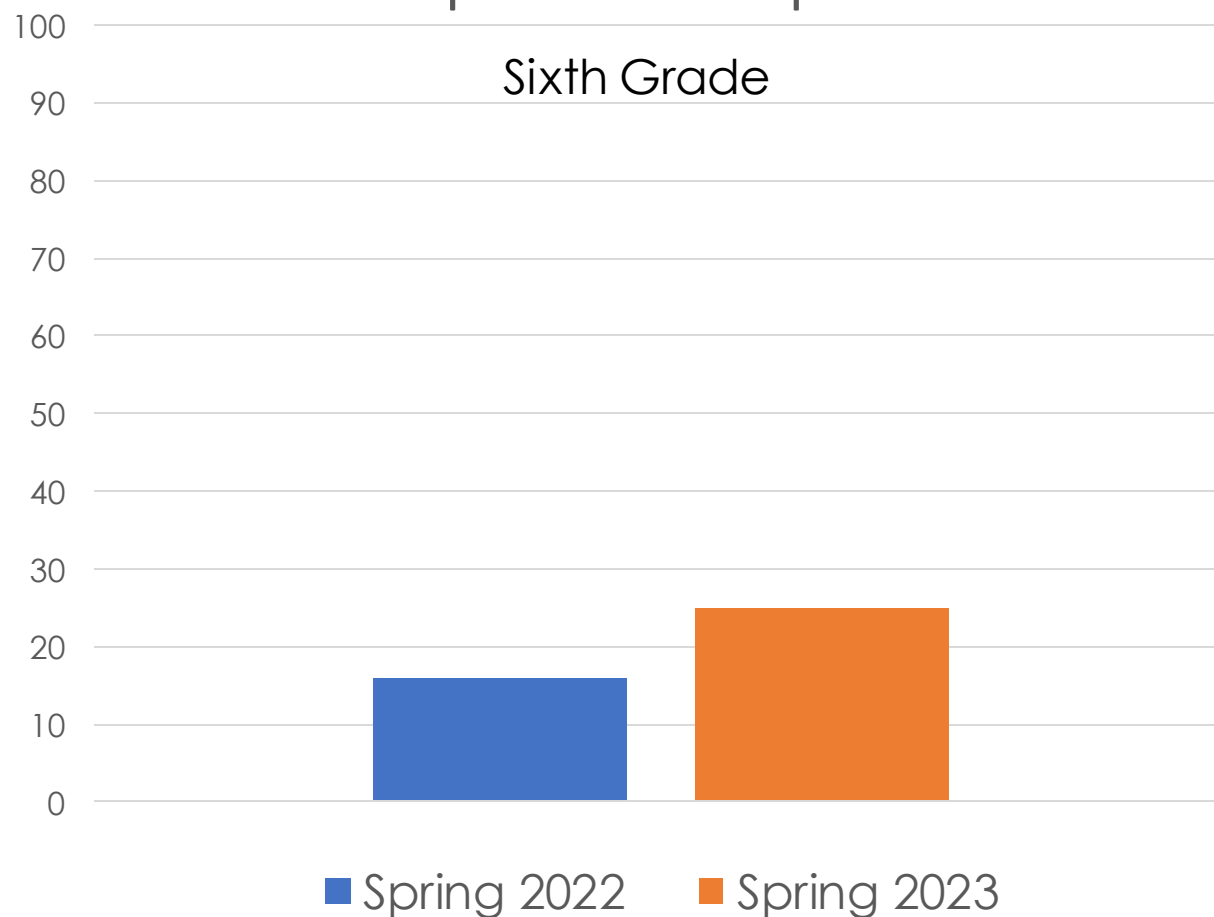
Standard Deviation = 63.8

Score Range = 3 to 252

## Multi-Year Comparison Mathematics

- ▶ % of Students At or Above Benchmark increased
- ▶ Sixth Grade
  - ▶ 16% --> 25%, +9

## Acadience Mathematics EOY Comparison: Composite Scores



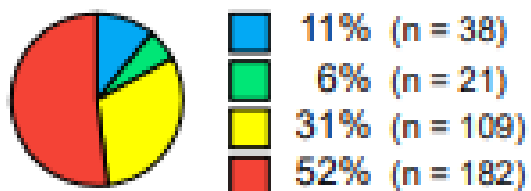
# Sixth Grade - Mathematics

## ► Acadience Math Sixth Grade Composite Scores: BOY to EOY

- At/Above Benchmark increased: 17% --> 25% **(+8)**
- Well Below Benchmark decreased: 52% --> 56% same number of students scored WBB
- \*\*\*note 26 fewer student scores at the EOY

### Beginning of Year

#### Math Composite Score



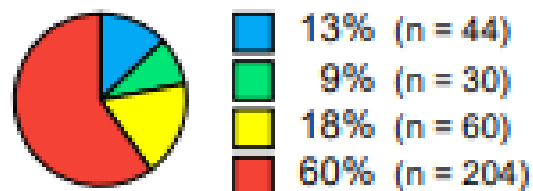
Number of Students = 350

Average = 48.7

Standard Deviation = 27.8

Score Range = 0 to 195

### Middle of Year



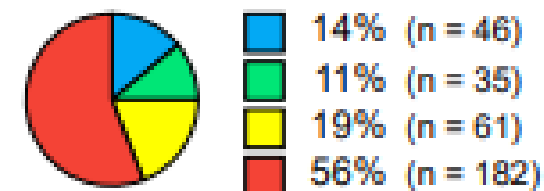
Number of Students = 338

Average = 71.6

Standard Deviation = 43.9

Score Range = 0 to 251

### End of Year



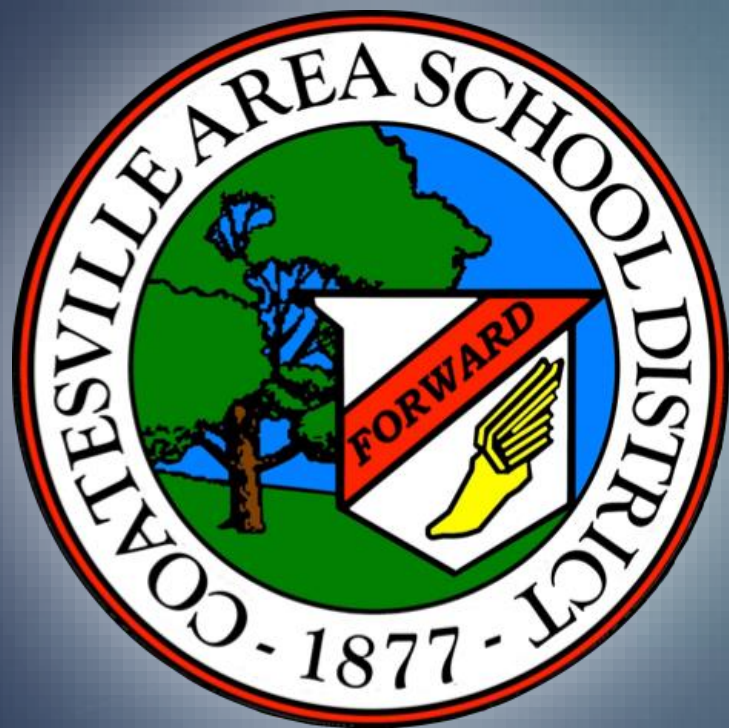
Number of Students = 324

Average = 95.2

Standard Deviation = 53.3

Score Range = 3 to 264

Q & A



THANK YOU!