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ISASP

**IOWA STATEWIDE ASSESSMENT
of STUDENT PROGRESS**

Iowa Percentile Ranks for 2023

Prepared By
Iowa Testing Programs

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Iowa Statewide Assessment of Student Progress

Iowa Percentile Ranks for 2023

The Iowa Statewide Assessment of Student Progress (ISASP) measures student achievement and understanding of the Iowa Core Standards in English Language Arts (ELA), Mathematics, and Science. Indicators of student proficiency and growth from grade-to-grade are provided. ISASP assesses English Language Arts and Mathematics for students in grades 3–11 and Science in grades 5, 8, and 10. The assessments, offered in both paper-and-pencil and computer-based formats during the last quarter of the academic year, include multiple-choice and technology-enhanced items, constructed response items, and open-ended essay questions aligned to the Iowa Core Standards.

Understanding how students change and grow over time is extremely important as teachers and schools design education programs tied to standards in English Language Arts, Mathematics, and Science. Student achievement and growth can be characterized in a variety of ways, including proficiency, growth scores, and status relative to a goal such as college readiness or to a similar group of students. Three different types of metrics are available to help interpret ISASP results. A *proficiency-based reference* provides students and educators with descriptions and indicators of levels of proficiency as determined by the state of Iowa with designations of Not-Yet-Proficient, Proficient, and Advanced. Proficiency-based scores are criterion-referenced and reflect the level of achievement compared to the Iowa Core standards. A *growth reference* provides a metric for examining the change between two or more administrations of an assessment such as the difference between ISASP Scale Scores from one year to the next. A *normative-based reference* is provided through the state of Iowa percentile ranks that are available after each administration and specific to the particular year of the assessment program.

The Iowa Statewide Assessment of Student Progress (ISASP) was introduced in the spring of 2019, followed by its second administration in the spring of 2021. Since then, it has been consistently administered every spring on an annual basis. In this document, you will find the Iowa Percentile Ranks (IPRs) for the year 2023. Grade-specific percentile ranks were determined using results from the 2022 and 2023 administrations of the assessment. Including multiple years of data reduces potential cohort effects in the percentile ranks. This document is intended to complement interpretative information from proficiency-based and growth references. Similar information for previous administrations can be found at:

<https://iowa.pearsonaccess.com/reporting-resources/>.

Using the Results

These conversion tables can be used by educators to find the percentile rank associated with Scale Scores on the ISASP assessments. The conversion tables are organized by grade, and each grade-level table includes columns containing the IPR of each ISASP Scale Score. The Scale Score to Percentile Rank conversions were obtained directly from the statewide distributions of ISASP Scale Scores from the last two administrations. In each test area and grade, these tables were developed from the final scoring file created for the purpose of reporting scores to Iowa schools. To use the tables, locate the grade-level of the student. Then find the student's ISASP Scale Score in the column labeled Scale Score. The Scale Scores are ordered from high to low in each grade.

It is important to recognize that the ISASP was developed to align with the Iowa Core Standards and provide standards-based information for students and their families, for Iowa schools and the Iowa Department of Education's School Performance Profiles. The Iowa Percentile Ranks presented in this document do not play a direct role in any statewide accountability use of assessment results. They are intended to support other administrative uses of ISASP scores in Iowa schools.

Table 1: Grade 3 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
510	99	99	99	99	510
509	99	99	99	99	509
508	99	99	99	99	508
507	99	99	99	99	507
506	99	99	99	99	506
505	99	99	99	99	505
504	99	99	99	99	504
503	99	99	99	99	503
502	99	99	99	99	502
501	99	99	99	99	501
500	99	99	99	99	500
499	99	99	99	99	499
498	99	99	99	99	498
497	99	99	99	99	497
496	99	99	99	99	496
495	99	99	99	99	495
494	99	99	99	99	494
493	99	99	99	99	493
492	99	99	99	99	492
491	99	99	99	99	491
490	99	99	99	99	490
489	99	99	99	99	489
488	99	99	99	99	488
487	99	99	99	99	487
486	99	99	99	99	486
485	99	99	99	99	485
484	99	99	99	99	484
483	99	99	99	99	483
482	99	99	99	99	482
481	99	99	99	98	481
480	98	99	99	98	480
479	98	99	99	98	479
478	98	99	99	98	478
477	98	99	99	98	477
476	98	99	99	98	476
475	98	99	99	98	475
474	98	98	99	98	474
473	98	98	99	97	473
472	98	98	99	97	472
471	98	98	99	97	471
470	98	98	98	96	470
469	98	97	98	96	469
468	97	97	98	96	468
467	97	97	98	96	467
466	97	97	98	95	466

Table 1: Grade 3 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
465	97	96	98	95	465
464	96	96	97	95	464
463	96	96	97	94	463
462	96	95	97	94	462
461	96	95	97	93	461
460	96	94	96	93	460
459	95	94	96	93	459
458	95	93	96	92	458
457	95	93	95	92	457
456	95	92	95	91	456
455	94	92	94	90	455
454	94	91	94	90	454
453	94	90	94	89	453
452	93	90	93	89	452
451	93	89	93	88	451
450	93	88	92	87	450
449	92	87	91	87	449
448	92	86	91	86	448
447	92	85	90	85	447
446	91	84	89	85	446
445	91	84	89	84	445
444	90	83	88	83	444
443	89	82	87	82	443
442	89	81	86	82	442
441	88	80	85	81	441
440	88	79	85	80	440
439	88	78	84	79	439
438	87	77	83	79	438
437	86	76	82	78	437
436	85	75	81	77	436
435	84	73	80	76	435
434	83	72	78	75	434
433	82	71	77	74	433
432	80	70	76	73	432
431	79	69	75	72	431
430	78	68	73	72	430
429	77	67	72	71	429
428	75	66	71	70	428
427	74	65	70	69	427
426	73	64	69	68	426
425	72	62	68	67	425
424	72	61	66	66	424
423	69	60	65	65	423
422	67	59	64	64	422
421	66	58	63	63	421

Table 1: Grade 3 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
420	65	57	61	62	420
419	64	56	60	61	419
418	63	55	59	60	418
417	63	53	57	59	417
416	62	52	56	58	416
415	62	51	55	56	415
414	62	49	54	55	414
413	60	48	53	54	413
412	58	47	51	53	412
411	56	46	50	52	411
410	55	45	49	51	410
409	53	44	48	50	409
408	51	43	47	49	408
407	49	42	45	47	407
406	48	41	44	46	406
405	46	39	43	45	405
404	46	38	42	44	404
403	45	37	40	43	403
402	44	36	39	42	402
401	43	35	38	41	401
400	43	34	37	39	400
399	42	33	36	39	399
398	41	32	35	38	398
397	40	31	34	37	397
396	39	30	33	36	396
395	37	29	31	34	395
394	36	28	30	33	394
393	35	27	29	32	393
392	34	26	28	31	392
391	32	25	27	29	391
390	31	24	26	28	390
389	30	23	25	27	389
388	29	22	24	26	388
387	28	21	23	24	387
386	27	20	22	23	386
385	26	20	21	22	385
384	25	19	20	21	384
383	23	18	19	20	383
382	21	17	18	19	382
381	20	16	17	18	381
380	19	15	16	17	380
379	18	15	15	16	379
378	17	14	14	15	378
377	17	13	14	13	377
376	16	12	13	12	376

Table 1: Grade 3 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
375	15	12	12	11	375
374	14	11	11	10	374
373	12	11	10	9	373
372	11	10	9	8	372
371	11	10	9	7	371
370	10	9	8	6	370
369	10	8	7	6	369
368	9	8	6	5	368
367	9	7	6	4	367
366	8	7	5	3	366
365	7	6	5	3	365
364	6	6	4	2	364
363	5	5	4	2	363
362	4	5	3	2	362
361	3	5	3	1	361
360	3	5	2	1	360
359	2	4	2	1	359
358	1	4	1	1	358
357	1	4	1	1	357
356	1	3	1	1	356
355	1	3	1	1	355
354	1	3	1	1	354
353	1	2	1	1	353
352	1	2	1	1	352
351	1	1	1	1	351
350	1	1	1	1	350
349	1	1	1	1	349
348	1	1	1	1	348
347	1	1	1	1	347
346	1	1	1	1	346
345	1	1	1	1	345

Table 2: Grade 4 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
540	99	99	99	99	540
539	99	99	99	99	539
538	99	99	99	99	538
537	99	99	99	99	537
536	99	99	99	99	536
535	99	99	99	99	535
534	99	99	99	99	534
533	99	99	99	99	533
532	99	99	99	99	532
531	99	99	99	99	531
530	99	99	99	99	530
529	99	99	99	99	529
528	99	99	99	99	528
527	99	99	99	99	527
526	99	99	99	99	526
525	99	99	99	99	525
524	99	99	99	99	524
523	99	99	99	99	523
522	99	99	99	99	522
521	99	99	99	99	521
520	99	99	99	99	520
519	99	99	99	99	519
518	99	99	99	99	518
517	99	99	99	99	517
516	99	99	99	98	516
515	99	99	99	98	515
514	99	99	99	98	514
513	99	99	99	98	513
512	99	99	99	98	512
511	99	98	99	98	511
510	99	98	99	98	510
509	98	98	99	98	509
508	98	98	99	97	508
507	98	98	99	97	507
506	98	98	99	97	506
505	98	98	99	97	505
504	98	97	98	97	504
503	97	97	98	96	503
502	97	97	98	96	502
501	97	97	98	96	501
500	97	96	98	96	500
499	97	96	98	95	499
498	97	96	97	95	498
497	96	96	97	95	497
496	96	95	97	94	496

Table 2: Grade 4 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
495	96	95	97	94	495
494	95	95	96	94	494
493	95	94	96	93	493
492	95	94	96	93	492
491	94	93	95	93	491
490	94	93	95	92	490
489	94	92	95	92	489
488	93	92	94	92	488
487	93	91	94	91	487
486	93	91	93	91	486
485	92	90	93	90	485
484	92	90	92	90	484
483	92	89	92	89	483
482	91	89	91	89	482
481	90	88	91	88	481
480	90	87	90	88	480
479	89	87	90	88	479
478	89	86	89	87	478
477	88	85	88	87	477
476	88	84	87	86	476
475	88	84	87	86	475
474	87	83	86	85	474
473	86	82	86	84	473
472	85	81	85	84	472
471	85	80	84	83	471
470	83	80	83	83	470
469	82	79	82	82	469
468	81	78	81	81	468
467	80	77	80	81	467
466	79	76	79	80	466
465	79	75	78	79	465
464	78	74	77	78	464
463	77	73	76	78	463
462	77	72	75	77	462
461	76	71	74	76	461
460	76	70	73	75	460
459	76	69	72	75	459
458	75	68	71	74	458
457	74	67	70	73	457
456	72	66	69	72	456
455	71	65	68	72	455
454	69	64	66	71	454
453	68	63	66	70	453
452	67	61	64	69	452
451	66	60	63	68	451

Table 2: Grade 4 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
450	65	59	62	68	450
449	64	58	61	67	449
448	63	58	60	66	448
447	61	57	59	65	447
446	60	56	58	65	446
445	59	55	57	64	445
444	58	54	56	63	444
443	57	53	54	62	443
442	57	52	53	61	442
441	56	51	52	60	441
440	55	50	51	59	440
439	53	49	50	58	439
438	52	48	49	57	438
437	51	47	48	56	437
436	49	46	47	55	436
435	48	45	46	55	435
434	47	44	45	54	434
433	46	43	44	53	433
432	45	42	43	52	432
431	45	41	42	51	431
430	44	40	41	50	430
429	43	39	40	49	429
428	42	38	39	49	428
427	42	37	38	48	427
426	41	36	37	47	426
425	40	35	36	46	425
424	40	34	35	45	424
423	39	33	34	44	423
422	38	32	33	43	422
421	36	31	32	42	421
420	35	30	31	41	420
419	33	30	31	40	419
418	32	29	30	39	418
417	31	28	29	38	417
416	31	27	28	37	416
415	30	26	27	36	415
414	30	26	27	35	414
413	29	25	26	34	413
412	28	24	25	33	412
411	28	23	25	32	411
410	27	23	24	32	410
409	27	22	23	31	409
408	26	21	22	30	408
407	25	21	22	29	407
406	25	20	21	28	406

Table 2: Grade 4 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
405	24	19	20	27	405
404	24	19	20	26	404
403	23	18	19	25	403
402	23	18	18	24	402
401	22	17	18	23	401
400	21	16	17	22	400
399	21	16	17	21	399
398	20	15	16	20	398
397	20	15	15	19	397
396	19	14	15	18	396
395	18	14	14	17	395
394	17	13	13	16	394
393	16	13	13	15	393
392	16	12	12	15	392
391	15	12	12	14	391
390	14	11	11	13	390
389	14	11	11	12	389
388	13	10	10	11	388
387	12	10	10	10	387
386	11	9	9	9	386
385	10	9	8	9	385
384	10	8	8	8	384
383	9	8	8	7	383
382	9	8	7	7	382
381	8	7	7	6	381
380	8	7	6	5	380
379	8	7	6	4	379
378	8	7	5	4	378
377	7	6	5	3	377
376	6	6	5	3	376
375	5	5	4	3	375
374	5	5	4	2	374
373	4	5	3	2	373
372	3	5	3	2	372
371	3	4	3	1	371
370	3	4	2	1	370
369	2	4	2	1	369
368	2	3	2	1	368
367	2	3	1	1	367
366	2	3	1	1	366
365	2	3	1	1	365
364	1	3	1	1	364
363	1	2	1	1	363
362	1	2	1	1	362
361	1	2	1	1	361

Table 2: Grade 4 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
360	1	2	1	1	360
359	1	2	1	1	359
358	1	1	1	1	358
357	1	1	1	1	357
356	1	1	1	1	356
355	1	1	1	1	355
354	1	1	1	1	354
353	1	1	1	1	353
352	1	1	1	1	352
351	1	1	1	1	351
350	1	1	1	1	350

Table 3: Grade 5 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
590	99	99	99	99	99	590
589	99	99	99	99	99	589
588	99	99	99	99	99	588
587	99	99	99	99	99	587
586	99	99	99	99	99	586
585	99	99	99	99	99	585
584	99	99	99	99	99	584
583	99	99	99	99	99	583
582	99	99	99	99	99	582
581	99	99	99	99	99	581
580	99	99	99	99	99	580
579	99	99	99	99	99	579
578	99	99	99	99	99	578
577	99	99	99	99	99	577
576	99	99	99	99	99	576
575	99	99	99	99	99	575
574	99	99	99	99	99	574
573	99	99	99	99	99	573
572	99	99	99	99	99	572
571	99	99	99	99	99	571
570	99	99	99	99	99	570
569	99	99	99	99	99	569
568	99	99	99	99	99	568
567	99	99	99	99	99	567
566	99	99	99	99	99	566
565	99	99	99	99	99	565
564	99	99	99	99	99	564
563	99	99	99	99	99	563
562	99	99	99	99	99	562
561	99	99	99	99	99	561
560	99	99	99	99	99	560
559	99	99	99	99	99	559
558	99	99	99	99	99	558
557	99	99	99	99	99	557
556	99	99	99	99	99	556
555	99	99	99	99	99	555
554	99	99	99	99	99	554
553	99	99	99	99	99	553
552	99	99	99	99	99	552
551	99	98	99	98	99	551
550	99	98	99	98	98	550
549	99	98	99	98	98	549
548	99	98	99	98	98	548
547	99	98	99	98	98	547
546	99	98	99	98	98	546

Table 3: Grade 5 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
545	99	98	99	98	98	545
544	99	98	99	98	98	544
543	99	97	99	98	98	543
542	99	97	99	97	98	542
541	99	97	99	97	98	541
540	99	97	99	97	97	540
539	99	97	99	97	97	539
538	99	97	99	97	97	538
537	99	97	99	97	97	537
536	99	96	98	96	97	536
535	99	96	98	96	96	535
534	99	96	98	96	96	534
533	98	96	98	96	96	533
532	98	96	98	96	96	532
531	98	95	98	96	96	531
530	98	95	98	95	96	530
529	97	95	97	95	96	529
528	97	95	97	95	96	528
527	97	94	97	95	95	527
526	97	94	97	94	95	526
525	96	94	96	94	95	525
524	96	94	96	94	94	524
523	96	93	96	94	94	523
522	96	93	96	93	93	522
521	95	93	95	93	93	521
520	95	92	95	93	92	520
519	94	92	95	92	92	519
518	94	92	94	92	92	518
517	93	91	94	92	91	517
516	93	91	94	92	91	516
515	92	91	93	91	91	515
514	92	90	93	91	90	514
513	92	90	92	90	90	513
512	92	90	92	90	89	512
511	91	89	92	89	89	511
510	91	89	91	89	88	510
509	91	88	91	89	88	509
508	91	88	90	88	87	508
507	90	88	90	88	87	507
506	89	87	89	88	86	506
505	89	87	89	87	86	505
504	88	86	88	87	86	504
503	87	86	88	86	85	503
502	86	85	87	86	85	502
501	85	85	86	85	85	501

Table 3: Grade 5 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
500	84	84	86	85	84	500
499	84	84	85	84	84	499
498	83	83	84	84	83	498
497	82	82	84	83	83	497
496	82	82	83	83	82	496
495	82	81	82	82	82	495
494	82	81	82	82	81	494
493	81	80	81	81	81	493
492	79	80	80	81	80	492
491	78	79	80	80	79	491
490	77	78	79	80	78	490
489	76	77	78	79	78	489
488	76	77	77	79	77	488
487	75	76	77	78	76	487
486	74	75	76	78	75	486
485	74	75	75	77	74	485
484	73	74	74	77	73	484
483	72	73	73	76	72	483
482	71	73	72	75	71	482
481	70	72	72	75	70	481
480	70	71	71	74	70	480
479	69	70	70	73	69	479
478	68	70	69	73	68	478
477	67	69	68	72	68	477
476	65	68	67	71	67	476
475	64	68	67	71	67	475
474	63	67	66	70	66	474
473	62	67	65	69	66	473
472	60	66	64	69	64	472
471	59	65	63	68	62	471
470	58	64	62	67	61	470
469	57	63	61	67	60	469
468	57	63	60	66	59	468
467	56	62	59	65	59	467
466	55	61	58	65	58	466
465	55	60	58	64	57	465
464	54	59	57	63	57	464
463	54	58	56	63	56	463
462	53	58	55	62	55	462
461	53	57	54	61	53	461
460	51	56	53	60	52	460
459	50	55	52	60	51	459
458	48	54	51	59	49	458
457	47	53	50	58	47	457
456	46	53	49	58	46	456

Table 3: Grade 5 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
455	45	52	49	57	45	455
454	45	51	47	56	43	454
453	44	50	47	55	42	453
452	44	49	46	54	41	452
451	43	48	45	53	40	451
450	43	47	44	52	38	450
449	42	47	43	52	37	449
448	41	46	42	51	37	448
447	39	45	41	50	36	447
446	38	44	40	49	35	446
445	37	44	39	48	35	445
444	36	43	39	47	34	444
443	35	42	38	47	34	443
442	34	42	37	46	34	442
441	33	41	36	45	33	441
440	32	40	35	44	33	440
439	32	39	34	43	32	439
438	31	38	34	43	32	438
437	30	38	33	42	30	437
436	30	37	32	41	29	436
435	29	36	31	40	28	435
434	29	35	30	39	27	434
433	28	34	30	38	26	433
432	28	34	29	37	25	432
431	26	33	28	36	24	431
430	25	32	27	35	23	430
429	24	31	26	34	22	429
428	22	31	26	33	20	428
427	21	30	25	32	20	427
426	20	29	24	31	19	426
425	20	28	23	30	18	425
424	19	28	23	29	17	424
423	19	27	22	28	16	423
422	18	26	21	27	16	422
421	18	26	21	26	15	421
420	17	25	20	25	14	420
419	16	24	19	24	14	419
418	16	23	18	23	13	418
417	15	23	18	22	12	417
416	14	22	17	22	11	416
415	13	22	16	21	10	415
414	12	21	16	20	10	414
413	11	21	15	19	9	413
412	11	20	15	18	9	412
411	10	20	14	17	9	411

Table 3: Grade 5 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
410	10	19	13	16	8	410
409	10	18	13	15	8	409
408	9	18	12	14	7	408
407	9	17	12	13	6	407
406	9	17	11	13	6	406
405	9	16	11	12	5	405
404	9	15	10	11	4	404
403	8	15	10	10	4	403
402	8	14	9	10	4	402
401	8	14	9	9	3	401
400	8	13	8	8	3	400
399	7	13	8	8	3	399
398	6	12	8	7	3	398
397	6	12	7	6	2	397
396	5	11	7	6	2	396
395	5	11	6	5	2	395
394	4	10	6	5	1	394
393	4	10	6	4	1	393
392	4	9	5	4	1	392
391	3	9	5	3	1	391
390	3	9	4	3	1	390
389	3	8	4	2	1	389
388	3	8	4	2	1	388
387	2	8	4	2	1	387
386	2	7	3	2	1	386
385	2	7	3	1	1	385
384	1	7	3	1	1	384
383	1	7	2	1	1	383
382	1	6	2	1	1	382
381	1	6	2	1	1	381
380	1	6	2	1	1	380
379	1	5	1	1	1	379
378	1	5	1	1	1	378
377	1	5	1	1	1	377
376	1	5	1	1	1	376
375	1	4	1	1	1	375
374	1	4	1	1	1	374
373	1	4	1	1	1	373
372	1	4	1	1	1	372
371	1	3	1	1	1	371
370	1	3	1	1	1	370
369	1	3	1	1	1	369
368	1	3	1	1	1	368
367	1	2	1	1	1	367
366	1	2	1	1	1	366

Table 3: Grade 5 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
365	1	2	1	1	1	365
364	1	1	1	1	1	364
363	1	1	1	1	1	363
362	1	1	1	1	1	362
361	1	1	1	1	1	361
360	1	1	1	1	1	360
359	1	1	1	1	1	359
358	1	1	1	1	1	358
357	1	1	1	1	1	357
356	1	1	1	1	1	356
355	1	1	1	1	1	355

Table 4: Grade 6 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
640	99	99	99	99	640
639	99	99	99	99	639
638	99	99	99	99	638
637	99	99	99	99	637
636	99	99	99	99	636
635	99	99	99	99	635
634	99	99	99	99	634
633	99	99	99	99	633
632	99	99	99	99	632
631	99	99	99	99	631
630	99	99	99	99	630
629	99	99	99	99	629
628	99	99	99	99	628
627	99	99	99	99	627
626	99	99	99	99	626
625	99	99	99	99	625
624	99	99	99	99	624
623	99	99	99	99	623
622	99	99	99	99	622
621	99	99	99	99	621
620	99	99	99	99	620
619	99	99	99	99	619
618	99	99	99	99	618
617	99	99	99	99	617
616	99	99	99	99	616
615	99	99	99	99	615
614	99	99	99	99	614
613	99	99	99	99	613
612	99	99	99	99	612
611	99	99	99	99	611
610	99	99	99	99	610
609	99	99	99	99	609
608	99	99	99	99	608
607	99	99	99	99	607
606	99	99	99	99	606
605	99	99	99	99	605
604	99	99	99	99	604
603	99	99	99	99	603
602	99	99	99	99	602
601	99	99	99	99	601
600	99	99	99	99	600
599	99	99	99	99	599
598	99	99	99	99	598
597	99	99	99	99	597
596	99	99	99	99	596

Table 4: Grade 6 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
595	99	99	99	99	595
594	99	99	99	99	594
593	99	99	99	99	593
592	99	99	99	98	592
591	99	99	99	98	591
590	99	99	99	98	590
589	99	99	99	98	589
588	99	99	99	98	588
587	99	99	99	98	587
586	99	99	99	98	586
585	99	99	99	98	585
584	99	99	99	98	584
583	99	99	99	98	583
582	98	99	99	98	582
581	98	99	99	98	581
580	98	99	99	97	580
579	98	99	99	97	579
578	98	99	99	97	578
577	98	99	99	97	577
576	98	99	99	97	576
575	98	98	99	97	575
574	98	98	99	97	574
573	98	98	99	97	573
572	98	98	99	97	572
571	98	98	99	96	571
570	98	98	98	96	570
569	97	98	98	96	569
568	97	97	98	96	568
567	97	97	98	96	567
566	97	97	98	96	566
565	97	97	98	95	565
564	97	97	98	95	564
563	97	97	97	95	563
562	96	96	97	95	562
561	96	96	97	95	561
560	96	96	97	94	560
559	96	96	97	94	559
558	96	96	97	94	558
557	95	95	97	94	557
556	95	95	96	94	556
555	95	95	96	93	555
554	95	95	96	93	554
553	94	94	96	93	553
552	94	94	95	93	552
551	94	94	95	92	551

Table 4: Grade 6 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
550	93	93	95	92	550
549	93	93	94	92	549
548	93	93	94	92	548
547	92	93	94	91	547
546	92	92	94	91	546
545	92	92	93	91	545
544	91	92	93	90	544
543	91	91	92	90	543
542	90	91	92	90	542
541	90	90	92	90	541
540	89	90	91	89	540
539	89	89	91	89	539
538	89	89	91	89	538
537	89	89	90	88	537
536	89	88	90	88	536
535	88	88	89	88	535
534	87	87	89	87	534
533	86	87	88	87	533
532	86	87	88	86	532
531	85	86	87	86	531
530	84	86	87	86	530
529	84	85	86	85	529
528	83	84	86	85	528
527	82	84	85	84	527
526	82	83	85	84	526
525	82	83	84	84	525
524	81	82	84	83	524
523	81	82	83	83	523
522	80	81	82	82	522
521	80	80	82	82	521
520	80	80	81	81	520
519	79	79	80	81	519
518	79	79	80	80	518
517	78	78	79	80	517
516	78	77	79	80	516
515	77	77	78	79	515
514	77	76	77	79	514
513	76	75	76	78	513
512	75	75	76	78	512
511	74	74	75	77	511
510	74	73	74	77	510
509	73	73	74	76	509
508	72	72	73	76	508
507	72	71	72	75	507
506	71	71	71	74	506

Table 4: Grade 6 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
505	70	70	71	74	505
504	69	69	70	73	504
503	68	68	69	73	503
502	68	68	68	72	502
501	67	67	67	71	501
500	66	66	67	71	500
499	65	65	66	70	499
498	64	64	65	70	498
497	63	64	64	69	497
496	63	63	63	68	496
495	62	62	62	68	495
494	61	61	61	67	494
493	59	61	60	66	493
492	57	60	60	66	492
491	57	59	59	65	491
490	56	58	58	64	490
489	55	57	57	64	489
488	54	56	56	63	488
487	54	56	55	62	487
486	54	55	54	62	486
485	53	54	54	61	485
484	53	53	53	60	484
483	52	53	52	59	483
482	52	52	51	58	482
481	52	51	50	58	481
480	51	50	49	57	480
479	50	50	48	56	479
478	50	49	48	56	478
477	49	48	47	55	477
476	48	47	46	54	476
475	48	46	45	53	475
474	46	45	44	53	474
473	45	44	43	52	473
472	43	44	42	51	472
471	42	43	41	50	471
470	40	42	41	49	470
469	38	41	40	48	469
468	38	41	39	48	468
467	37	40	38	47	467
466	36	39	37	46	466
465	36	39	37	45	465
464	35	38	36	44	464
463	34	37	35	44	463
462	34	36	34	43	462
461	33	35	33	42	461

Table 4: Grade 6 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
460	32	35	33	42	460
459	32	34	32	41	459
458	31	33	31	40	458
457	31	33	30	39	457
456	30	32	30	38	456
455	30	31	29	38	455
454	30	31	28	37	454
453	29	30	28	36	453
452	29	29	27	35	452
451	29	29	26	34	451
450	28	28	26	33	450
449	27	27	25	33	449
448	26	27	24	32	448
447	25	26	24	31	447
446	24	25	23	30	446
445	23	25	22	29	445
444	22	24	22	29	444
443	22	24	21	28	443
442	21	23	20	27	442
441	21	23	20	26	441
440	20	22	19	26	440
439	19	22	19	25	439
438	19	21	18	24	438
437	18	20	17	23	437
436	18	20	17	23	436
435	17	19	16	22	435
434	17	19	16	21	434
433	16	18	15	20	433
432	15	18	15	19	432
431	15	17	14	18	431
430	14	17	14	18	430
429	14	17	13	17	429
428	13	16	13	16	428
427	12	16	12	16	427
426	12	15	12	15	426
425	11	15	12	15	425
424	10	14	11	14	424
423	10	14	10	13	423
422	9	13	10	13	422
421	9	13	10	12	421
420	8	12	9	11	420
419	8	12	9	11	419
418	8	12	9	10	418
417	7	11	8	9	417
416	7	11	8	9	416

Table 4: Grade 6 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
415	6	11	7	8	415
414	6	10	7	8	414
413	6	10	7	7	413
412	5	10	6	7	412
411	5	9	6	7	411
410	5	9	5	6	410
409	4	9	5	6	409
408	4	8	5	5	408
407	4	8	5	5	407
406	3	8	4	5	406
405	3	7	4	4	405
404	2	7	4	4	404
403	2	7	3	3	403
402	2	7	3	3	402
401	2	6	3	3	401
400	2	6	3	3	400
399	1	6	2	2	399
398	1	6	2	2	398
397	1	5	2	2	397
396	1	5	2	2	396
395	1	5	2	1	395
394	1	4	1	1	394
393	1	4	1	1	393
392	1	4	1	1	392
391	1	4	1	1	391
390	1	4	1	1	390
389	1	3	1	1	389
388	1	3	1	1	388
387	1	3	1	1	387
386	1	3	1	1	386
385	1	3	1	1	385
384	1	3	1	1	384
383	1	3	1	1	383
382	1	2	1	1	382
381	1	2	1	1	381
380	1	2	1	1	380
379	1	2	1	1	379
378	1	2	1	1	378
377	1	1	1	1	377
376	1	1	1	1	376
375	1	1	1	1	375
374	1	1	1	1	374
373	1	1	1	1	373
372	1	1	1	1	372
371	1	1	1	1	371

Table 4: Grade 6 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
370	1	1	1	1	370
369	1	1	1	1	369
368	1	1	1	1	368
367	1	1	1	1	367
366	1	1	1	1	366
365	1	1	1	1	365
364	1	1	1	1	364
363	1	1	1	1	363
362	1	1	1	1	362
361	1	1	1	1	361
360	1	1	1	1	360

Table 5: Grade 7 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
680	99	99	99	99	680
679	99	99	99	99	679
678	99	99	99	99	678
677	99	99	99	99	677
676	99	99	99	99	676
675	99	99	99	99	675
674	99	99	99	99	674
673	99	99	99	99	673
672	99	99	99	99	672
671	99	99	99	99	671
670	99	99	99	99	670
669	99	99	99	99	669
668	99	99	99	99	668
667	99	99	99	99	667
666	99	99	99	99	666
665	99	99	99	99	665
664	99	99	99	99	664
663	99	99	99	99	663
662	99	99	99	99	662
661	99	99	99	99	661
660	99	99	99	99	660
659	99	99	99	99	659
658	99	99	99	99	658
657	99	99	99	99	657
656	99	99	99	99	656
655	99	99	99	99	655
654	99	99	99	99	654
653	99	99	99	99	653
652	99	99	99	99	652
651	99	99	99	99	651
650	99	99	99	99	650
649	99	99	99	99	649
648	99	99	99	99	648
647	99	99	99	99	647
646	99	99	99	99	646
645	99	99	99	99	645
644	99	99	99	99	644
643	99	99	99	99	643
642	99	99	99	99	642
641	99	99	99	99	641
640	99	99	99	99	640
639	99	99	99	99	639
638	99	99	99	99	638
637	99	99	99	99	637
636	99	99	99	99	636

Table 5: Grade 7 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
635	99	99	99	99	635
634	98	99	99	99	634
633	98	99	99	99	633
632	98	99	99	99	632
631	98	99	99	99	631
630	98	99	99	99	630
629	98	99	99	99	629
628	98	99	99	99	628
627	98	99	99	99	627
626	98	99	99	99	626
625	98	99	99	98	625
624	98	99	99	98	624
623	98	99	99	98	623
622	98	99	99	98	622
621	98	99	99	98	621
620	98	99	99	98	620
619	97	99	99	98	619
618	97	99	99	98	618
617	97	98	99	98	617
616	97	98	99	98	616
615	97	98	98	98	615
614	97	98	98	98	614
613	97	98	98	97	613
612	97	98	98	97	612
611	97	98	98	97	611
610	97	98	98	97	610
609	97	98	98	97	609
608	97	98	98	97	608
607	97	98	98	97	607
606	97	97	98	97	606
605	96	97	98	96	605
604	96	97	98	96	604
603	96	97	97	96	603
602	96	97	97	96	602
601	96	97	97	96	601
600	96	97	97	96	600
599	95	97	97	96	599
598	95	96	97	95	598
597	95	96	97	95	597
596	95	96	97	95	596
595	95	96	96	95	595
594	95	96	96	95	594
593	94	96	96	95	593
592	94	95	96	95	592
591	94	95	96	94	591

Table 5: Grade 7 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
590	94	95	95	94	590
589	94	95	95	94	589
588	93	95	95	94	588
587	93	94	95	94	587
586	93	94	95	93	586
585	93	94	94	93	585
584	93	94	94	93	584
583	92	93	94	93	583
582	92	93	94	93	582
581	92	93	93	92	581
580	92	92	93	92	580
579	92	92	93	92	579
578	91	92	93	92	578
577	91	91	92	92	577
576	91	91	92	91	576
575	91	91	92	91	575
574	90	90	91	91	574
573	90	90	91	91	573
572	90	89	91	90	572
571	90	89	90	90	571
570	89	89	90	90	570
569	89	88	90	90	569
568	89	88	89	89	568
567	88	88	89	89	567
566	88	87	88	89	566
565	87	87	88	88	565
564	87	86	88	88	564
563	86	86	87	88	563
562	86	86	87	87	562
561	86	85	86	87	561
560	86	85	86	87	560
559	85	84	85	86	559
558	85	84	85	86	558
557	85	83	84	86	557
556	84	83	84	86	556
555	84	82	83	85	555
554	83	81	83	85	554
553	82	81	82	85	553
552	82	80	82	84	552
551	81	80	81	84	551
550	81	79	81	83	550
549	80	79	80	83	549
548	80	78	80	83	548
547	79	77	79	82	547
546	79	77	78	82	546

Table 5: Grade 7 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
545	78	76	78	82	545
544	78	76	77	81	544
543	77	75	77	81	543
542	77	74	76	81	542
541	76	74	75	80	541
540	75	73	75	80	540
539	75	72	74	79	539
538	74	72	73	79	538
537	73	71	73	78	537
536	72	70	72	78	536
535	70	70	71	78	535
534	70	69	70	77	534
533	69	68	70	77	533
532	68	68	69	76	532
531	67	67	68	76	531
530	67	66	68	75	530
529	66	66	67	75	529
528	66	65	66	74	528
527	65	64	66	74	527
526	63	64	65	73	526
525	62	63	64	73	525
524	61	62	63	72	524
523	61	62	62	72	523
522	60	61	62	71	522
521	60	60	61	71	521
520	59	59	60	70	520
519	59	59	59	70	519
518	58	58	59	69	518
517	58	57	58	69	517
516	58	56	57	68	516
515	57	56	56	68	515
514	57	55	55	67	514
513	56	54	55	66	513
512	56	54	54	66	512
511	55	53	53	65	511
510	53	52	52	65	510
509	52	51	52	64	509
508	51	51	51	63	508
507	50	50	50	63	507
506	49	49	49	62	506
505	49	49	48	62	505
504	48	48	48	61	504
503	47	47	47	60	503
502	47	46	46	60	502
501	46	46	45	59	501

Table 5: Grade 7 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
500	45	45	45	58	500
499	44	44	44	58	499
498	43	44	43	57	498
497	43	43	42	56	497
496	42	42	41	56	496
495	41	42	41	55	495
494	41	41	40	55	494
493	40	40	39	54	493
492	39	40	38	53	492
491	39	39	38	52	491
490	38	38	37	52	490
489	37	38	36	51	489
488	37	37	36	50	488
487	36	37	35	49	487
486	35	36	34	49	486
485	35	36	33	48	485
484	34	35	33	47	484
483	34	34	32	46	483
482	33	34	31	46	482
481	32	33	31	45	481
480	32	33	30	44	480
479	31	32	29	43	479
478	30	31	29	42	478
477	30	31	28	42	477
476	29	30	27	41	476
475	28	30	27	40	475
474	28	29	26	39	474
473	26	28	25	38	473
472	25	28	25	38	472
471	24	27	24	37	471
470	23	27	23	36	470
469	22	26	23	35	469
468	21	25	22	34	468
467	20	25	22	33	467
466	20	24	21	33	466
465	19	24	21	32	465
464	19	23	20	31	464
463	19	23	20	30	463
462	18	22	19	29	462
461	18	22	18	29	461
460	17	21	18	28	460
459	17	21	17	27	459
458	16	20	17	26	458
457	16	20	17	25	457
456	16	19	16	24	456

Table 5: Grade 7 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
455	15	19	16	24	455
454	15	18	15	23	454
453	14	18	15	22	453
452	14	17	14	21	452
451	14	17	14	20	451
450	13	16	14	19	450
449	13	16	13	18	449
448	13	15	13	17	448
447	12	15	12	17	447
446	12	15	12	16	446
445	12	14	12	15	445
444	11	14	11	14	444
443	11	13	11	14	443
442	11	13	11	13	442
441	10	13	10	12	441
440	10	12	10	12	440
439	10	12	9	11	439
438	9	11	9	10	438
437	9	11	8	10	437
436	9	11	8	9	436
435	8	10	8	9	435
434	8	10	7	8	434
433	8	10	7	7	433
432	7	9	7	7	432
431	7	9	6	6	431
430	6	9	6	6	430
429	6	8	6	5	429
428	5	8	6	5	428
427	5	8	5	4	427
426	4	7	5	4	426
425	4	7	5	4	425
424	4	7	4	3	424
423	4	7	4	3	423
422	3	6	4	3	422
421	3	6	4	2	421
420	3	6	3	2	420
419	3	5	3	2	419
418	2	5	3	2	418
417	2	5	3	1	417
416	2	5	2	1	416
415	2	4	2	1	415
414	2	4	2	1	414
413	2	4	2	1	413
412	1	4	2	1	412
411	1	4	1	1	411

Table 5: Grade 7 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
410	1	3	1	1	410
409	1	3	1	1	409
408	1	3	1	1	408
407	1	3	1	1	407
406	1	3	1	1	406
405	1	3	1	1	405
404	1	2	1	1	404
403	1	2	1	1	403
402	1	2	1	1	402
401	1	2	1	1	401
400	1	2	1	1	400
399	1	2	1	1	399
398	1	2	1	1	398
397	1	2	1	1	397
396	1	1	1	1	396
395	1	1	1	1	395
394	1	1	1	1	394
393	1	1	1	1	393
392	1	1	1	1	392
391	1	1	1	1	391
390	1	1	1	1	390
389	1	1	1	1	389
388	1	1	1	1	388
387	1	1	1	1	387
386	1	1	1	1	386
385	1	1	1	1	385
384	1	1	1	1	384
383	1	1	1	1	383
382	1	1	1	1	382
381	1	1	1	1	381
380	1	1	1	1	380
379	1	1	1	1	379
378	1	1	1	1	378
377	1	1	1	1	377
376	1	1	1	1	376
375	1	1	1	1	375
374	1	1	1	1	374
373	1	1	1	1	373
372	1	1	1	1	372
371	1	1	1	1	371
370	1	1	1	1	370

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
720	99	99	99	99	99	720
719	99	99	99	99	99	719
718	99	99	99	99	99	718
717	99	99	99	99	99	717
716	99	99	99	99	99	716
715	99	99	99	99	99	715
714	99	99	99	99	99	714
713	99	99	99	99	99	713
712	99	99	99	99	99	712
711	99	99	99	99	99	711
710	99	99	99	99	99	710
709	99	99	99	99	99	709
708	99	99	99	99	99	708
707	99	99	99	99	99	707
706	99	99	99	99	99	706
705	99	99	99	99	99	705
704	99	99	99	99	99	704
703	99	99	99	99	99	703
702	99	99	99	99	99	702
701	99	99	99	99	99	701
700	99	99	99	99	99	700
699	99	99	99	99	99	699
698	99	99	99	99	99	698
697	99	99	99	99	99	697
696	99	99	99	99	99	696
695	99	99	99	99	99	695
694	99	99	99	99	99	694
693	99	99	99	99	99	693
692	99	99	99	99	99	692
691	99	99	99	99	99	691
690	99	99	99	99	99	690
689	99	99	99	99	99	689
688	99	99	99	99	99	688
687	99	99	99	99	99	687
686	99	99	99	99	99	686
685	99	99	99	99	99	685
684	99	99	99	99	99	684
683	99	99	99	99	99	683
682	99	99	99	99	99	682
681	99	99	99	99	99	681
680	99	99	99	99	99	680
679	99	99	99	99	99	679
678	99	99	99	99	99	678
677	99	99	99	99	99	677
676	99	99	99	99	99	676

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
675	99	99	99	99	99	675
674	99	99	99	99	99	674
673	99	99	99	99	99	673
672	99	99	99	99	99	672
671	99	99	99	99	99	671
670	99	99	99	99	99	670
669	99	99	99	99	99	669
668	99	99	99	99	99	668
667	99	99	99	99	99	667
666	99	99	99	99	99	666
665	99	99	99	99	99	665
664	99	99	99	98	99	664
663	99	99	99	98	99	663
662	99	99	99	98	99	662
661	99	99	99	98	99	661
660	99	99	99	98	99	660
659	99	99	99	98	99	659
658	99	99	99	98	99	658
657	99	99	99	98	99	657
656	99	99	99	98	99	656
655	99	99	99	98	99	655
654	99	99	99	98	99	654
653	99	99	99	98	99	653
652	99	99	99	98	99	652
651	99	99	99	98	99	651
650	99	99	99	97	99	650
649	99	99	99	97	99	649
648	99	99	99	97	99	648
647	99	99	99	97	99	647
646	99	99	99	97	99	646
645	99	99	99	97	99	645
644	99	99	99	97	99	644
643	99	98	99	97	99	643
642	99	98	99	97	98	642
641	99	98	99	96	98	641
640	99	98	99	96	98	640
639	99	98	99	96	98	639
638	99	98	99	96	98	638
637	99	98	99	96	98	637
636	99	98	99	96	98	636
635	99	98	99	96	98	635
634	99	98	99	96	98	634
633	99	98	99	95	98	633
632	99	97	99	95	98	632
631	99	97	99	95	98	631

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
630	99	97	99	95	98	630
629	99	97	99	95	97	629
628	98	97	98	95	97	628
627	98	97	98	95	97	627
626	98	97	98	95	97	626
625	98	97	98	94	97	625
624	98	96	98	94	97	624
623	98	96	98	94	97	623
622	98	96	98	94	97	622
621	98	96	98	94	96	621
620	98	96	98	94	96	620
619	98	95	98	93	96	619
618	98	95	97	93	96	618
617	98	95	97	93	96	617
616	98	94	97	93	96	616
615	98	94	97	93	95	615
614	97	94	97	92	95	614
613	97	94	97	92	95	613
612	97	93	96	92	94	612
611	97	93	96	92	94	611
610	97	93	96	92	94	610
609	97	92	96	91	93	609
608	97	92	96	91	93	608
607	97	92	95	91	93	607
606	96	91	95	91	93	606
605	96	91	95	90	92	605
604	96	91	95	90	92	604
603	96	90	94	90	92	603
602	95	90	94	90	92	602
601	95	90	94	89	92	601
600	95	89	93	89	91	600
599	94	89	93	89	91	599
598	94	88	93	89	91	598
597	94	88	92	88	91	597
596	93	87	92	88	90	596
595	93	87	92	88	90	595
594	93	86	91	88	90	594
593	92	86	91	87	89	593
592	91	85	90	87	88	592
591	91	85	90	87	87	591
590	91	84	89	86	87	590
589	90	84	89	86	86	589
588	90	83	89	86	86	588
587	90	83	88	85	86	587
586	89	82	88	85	85	586

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
585	89	82	87	85	85	585
584	89	81	87	84	84	584
583	88	81	86	84	84	583
582	88	80	86	84	84	582
581	87	79	85	83	83	581
580	87	79	84	83	83	580
579	86	78	84	83	82	579
578	86	78	83	82	81	578
577	85	77	83	82	81	577
576	85	76	82	82	80	576
575	84	76	81	81	80	575
574	84	75	81	81	79	574
573	83	75	80	80	79	573
572	82	74	80	80	78	572
571	82	73	79	80	78	571
570	81	73	78	79	78	570
569	81	72	78	79	77	569
568	80	71	77	78	77	568
567	79	70	76	78	77	567
566	79	70	75	78	76	566
565	78	69	75	77	76	565
564	78	68	74	77	75	564
563	77	68	73	76	74	563
562	77	67	73	76	73	562
561	76	67	72	76	72	561
560	76	66	71	75	72	560
559	75	65	70	75	71	559
558	74	65	70	74	70	558
557	73	64	69	74	69	557
556	73	63	68	73	68	556
555	72	63	68	73	68	555
554	71	62	67	72	67	554
553	71	61	66	72	67	553
552	70	61	65	71	66	552
551	69	60	65	71	66	551
550	68	59	64	70	65	550
549	68	58	63	70	65	549
548	67	57	62	69	64	548
547	66	57	61	69	64	547
546	65	56	60	68	63	546
545	64	55	60	68	63	545
544	63	55	59	67	61	544
543	61	54	58	67	60	543
542	61	53	58	66	59	542
541	60	53	57	66	58	541

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
540	60	52	56	65	57	540
539	59	51	55	65	56	539
538	59	50	55	64	55	538
537	58	50	54	63	55	537
536	57	49	53	63	54	536
535	56	48	52	62	53	535
534	55	48	51	62	53	534
533	54	47	50	61	53	533
532	53	46	50	60	52	532
531	52	46	49	60	52	531
530	52	45	48	59	52	530
529	51	44	48	59	51	529
528	50	44	47	58	51	528
527	49	43	46	57	50	527
526	49	43	45	57	50	526
525	48	42	45	56	49	525
524	48	41	44	56	48	524
523	47	40	43	55	48	523
522	47	40	43	55	47	522
521	46	39	42	54	46	521
520	46	38	41	53	46	520
519	45	38	40	53	45	519
518	45	37	40	52	44	518
517	44	37	39	51	44	517
516	44	36	38	51	43	516
515	43	36	37	50	42	515
514	43	35	37	49	41	514
513	43	35	36	49	40	513
512	42	34	36	48	39	512
511	41	34	35	47	38	511
510	40	33	34	47	37	510
509	39	32	34	46	36	509
508	38	32	33	45	36	508
507	36	31	32	45	35	507
506	35	31	32	44	35	506
505	34	30	31	43	35	505
504	33	30	30	43	35	504
503	33	29	30	42	34	503
502	32	29	29	41	34	502
501	31	28	29	41	34	501
500	31	28	28	40	34	500
499	30	27	28	39	33	499
498	30	27	27	38	33	498
497	29	26	26	38	33	497
496	28	26	26	37	32	496

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
495	28	25	26	36	32	495
494	27	25	25	36	31	494
493	27	25	24	35	30	493
492	26	24	24	34	29	492
491	25	24	23	33	28	491
490	25	23	23	33	27	490
489	24	23	22	32	26	489
488	24	22	22	31	25	488
487	23	22	21	31	24	487
486	23	21	21	30	23	486
485	22	21	21	29	23	485
484	22	21	20	28	22	484
483	21	20	20	27	21	483
482	21	20	19	26	20	482
481	20	19	19	26	20	481
480	20	19	18	25	20	480
479	20	19	18	24	20	479
478	19	18	17	23	19	478
477	19	18	17	23	19	477
476	18	18	16	22	19	476
475	18	17	16	21	19	475
474	18	17	16	21	19	474
473	17	16	15	20	18	473
472	17	16	15	19	18	472
471	17	16	14	18	17	471
470	16	15	14	18	17	470
469	16	15	14	17	16	469
468	16	15	13	16	15	468
467	15	14	13	16	14	467
466	14	14	13	15	14	466
465	13	14	12	14	13	465
464	13	13	12	13	12	464
463	12	13	12	12	12	463
462	12	13	11	12	11	462
461	11	12	11	11	11	461
460	11	12	11	11	11	460
459	11	12	10	10	10	459
458	10	12	10	10	10	458
457	10	11	10	9	9	457
456	10	11	9	9	9	456
455	9	11	9	8	8	455
454	9	10	9	8	7	454
453	9	10	8	7	6	453
452	8	10	8	7	6	452
451	8	10	8	6	6	451

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
450	8	9	8	5	5	450
449	8	9	7	5	5	449
448	7	9	7	4	5	448
447	7	9	7	4	5	447
446	7	8	7	4	4	446
445	7	8	6	3	4	445
444	6	8	6	3	4	444
443	6	8	6	3	4	443
442	6	7	5	2	3	442
441	6	7	5	2	3	441
440	5	7	5	2	3	440
439	5	7	5	2	2	439
438	5	7	5	1	2	438
437	5	6	4	1	2	437
436	5	6	4	1	2	436
435	4	6	4	1	2	435
434	4	6	4	1	2	434
433	4	6	4	1	1	433
432	3	5	3	1	1	432
431	3	5	3	1	1	431
430	3	5	3	1	1	430
429	3	5	3	1	1	429
428	2	5	2	1	1	428
427	2	4	2	1	1	427
426	2	4	2	1	1	426
425	2	4	2	1	1	425
424	2	4	2	1	1	424
423	2	4	2	1	1	423
422	2	4	2	1	1	422
421	2	3	1	1	1	421
420	2	3	1	1	1	420
419	1	3	1	1	1	419
418	1	3	1	1	1	418
417	1	3	1	1	1	417
416	1	3	1	1	1	416
415	1	3	1	1	1	415
414	1	2	1	1	1	414
413	1	2	1	1	1	413
412	1	2	1	1	1	412
411	1	2	1	1	1	411
410	1	2	1	1	1	410
409	1	2	1	1	1	409
408	1	2	1	1	1	408
407	1	2	1	1	1	407
406	1	2	1	1	1	406

Table 6: Grade 8 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
405	1	2	1	1	1	405
404	1	1	1	1	1	404
403	1	1	1	1	1	403
402	1	1	1	1	1	402
401	1	1	1	1	1	401
400	1	1	1	1	1	400
399	1	1	1	1	1	399
398	1	1	1	1	1	398
397	1	1	1	1	1	397
396	1	1	1	1	1	396
395	1	1	1	1	1	395
394	1	1	1	1	1	394
393	1	1	1	1	1	393
392	1	1	1	1	1	392
391	1	1	1	1	1	391
390	1	1	1	1	1	390
389	1	1	1	1	1	389
388	1	1	1	1	1	388
387	1	1	1	1	1	387
386	1	1	1	1	1	386
385	1	1	1	1	1	385

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
750	99	99	99	99	750
749	99	99	99	99	749
748	99	99	99	99	748
747	99	99	99	99	747
746	99	99	99	99	746
745	99	99	99	99	745
744	99	99	99	99	744
743	99	99	99	99	743
742	99	99	99	99	742
741	99	99	99	99	741
740	99	99	99	99	740
739	99	99	99	99	739
738	99	99	99	99	738
737	99	99	99	99	737
736	99	99	99	99	736
735	99	99	99	99	735
734	99	99	99	99	734
733	99	99	99	99	733
732	99	99	99	99	732
731	99	99	99	99	731
730	99	99	99	99	730
729	99	99	99	99	729
728	99	99	99	99	728
727	99	99	99	99	727
726	99	99	99	99	726
725	99	99	99	99	725
724	99	99	99	99	724
723	99	99	99	99	723
722	99	99	99	99	722
721	99	99	99	99	721
720	99	99	99	99	720
719	99	99	99	99	719
718	99	99	99	99	718
717	99	99	99	99	717
716	99	99	99	99	716
715	99	99	99	99	715
714	99	99	99	99	714
713	99	99	99	99	713
712	99	99	99	99	712
711	99	99	99	99	711
710	99	99	99	99	710
709	99	99	99	99	709
708	99	99	99	99	708
707	99	99	99	99	707
706	99	99	99	99	706

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
705	99	99	99	99	705
704	99	99	99	99	704
703	99	99	99	99	703
702	99	99	99	99	702
701	99	99	99	98	701
700	99	99	99	98	700
699	99	99	99	98	699
698	99	99	99	98	698
697	99	99	99	98	697
696	99	99	99	98	696
695	99	99	99	98	695
694	99	99	99	98	694
693	99	99	99	98	693
692	99	99	99	98	692
691	99	99	99	98	691
690	99	99	99	98	690
689	99	99	99	98	689
688	99	99	99	98	688
687	99	99	99	98	687
686	99	99	99	98	686
685	99	99	99	98	685
684	99	99	99	98	684
683	99	99	99	98	683
682	99	99	99	97	682
681	99	99	99	97	681
680	99	99	99	97	680
679	99	99	99	97	679
678	99	99	99	97	678
677	99	99	99	97	677
676	99	99	99	97	676
675	99	99	99	97	675
674	99	99	99	97	674
673	99	99	99	97	673
672	99	99	99	97	672
671	99	99	99	97	671
670	99	99	99	97	670
669	99	99	99	96	669
668	99	99	99	96	668
667	99	99	99	96	667
666	99	99	99	96	666
665	99	99	99	96	665
664	99	99	99	96	664
663	99	99	99	96	663
662	99	99	99	96	662
661	99	99	99	96	661

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
660	99	99	99	96	660
659	99	99	99	96	659
658	98	99	99	95	658
657	98	99	99	95	657
656	98	99	99	95	656
655	98	98	99	95	655
654	98	98	99	95	654
653	98	98	99	95	653
652	98	98	99	95	652
651	98	98	99	94	651
650	98	98	99	94	650
649	97	98	99	94	649
648	97	98	98	94	648
647	97	98	98	94	647
646	97	98	98	94	646
645	97	97	98	94	645
644	97	97	98	93	644
643	97	97	98	93	643
642	97	97	98	93	642
641	97	97	98	93	641
640	96	97	98	93	640
639	96	97	97	93	639
638	96	97	97	93	638
637	96	96	97	92	637
636	96	96	97	92	636
635	96	96	97	92	635
634	95	96	97	92	634
633	95	96	96	92	633
632	94	96	96	91	632
631	94	95	96	91	631
630	93	95	96	91	630
629	93	95	96	91	629
628	93	95	95	91	628
627	92	95	95	91	627
626	92	95	95	90	626
625	91	94	95	90	625
624	91	94	94	90	624
623	91	94	94	90	623
622	90	94	94	89	622
621	89	93	94	89	621
620	89	93	93	89	620
619	88	93	93	89	619
618	88	93	93	88	618
617	87	93	92	88	617
616	87	92	92	88	616

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
615	86	92	91	88	615
614	86	92	91	87	614
613	85	91	91	87	613
612	84	91	90	87	612
611	84	91	90	87	611
610	83	91	90	86	610
609	83	90	89	86	609
608	83	90	89	86	608
607	83	90	88	86	607
606	83	89	88	85	606
605	83	89	88	85	605
604	83	89	87	85	604
603	82	88	87	84	603
602	81	88	86	84	602
601	81	88	86	84	601
600	80	87	85	84	600
599	79	87	85	83	599
598	78	87	84	83	598
597	77	86	84	83	597
596	76	86	83	82	596
595	75	85	83	82	595
594	75	85	82	82	594
593	74	85	82	81	593
592	74	84	81	81	592
591	73	84	81	81	591
590	73	83	80	80	590
589	72	83	80	80	589
588	71	82	79	80	588
587	71	82	78	79	587
586	70	82	78	79	586
585	70	81	78	79	585
584	69	81	77	78	584
583	69	80	76	78	583
582	68	80	76	77	582
581	67	79	75	77	581
580	67	79	75	77	580
579	66	78	74	76	579
578	65	78	73	76	578
577	64	77	73	76	577
576	63	77	72	75	576
575	62	76	71	75	575
574	61	76	71	74	574
573	61	75	70	74	573
572	60	75	70	74	572
571	60	74	69	73	571

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
570	60	74	68	73	570
569	59	73	68	72	569
568	59	73	67	72	568
567	58	72	67	71	567
566	58	72	66	71	566
565	57	71	65	71	565
564	57	71	65	70	564
563	57	70	64	70	563
562	56	70	63	69	562
561	55	69	63	69	561
560	55	69	62	68	560
559	54	68	62	68	559
558	53	68	61	67	558
557	53	67	60	67	557
556	52	66	60	66	556
555	51	66	59	66	555
554	50	65	58	66	554
553	50	65	58	65	553
552	49	64	57	65	552
551	48	64	56	64	551
550	47	63	56	64	550
549	46	63	55	63	549
548	46	62	54	63	548
547	45	61	54	62	547
546	44	61	53	62	546
545	44	60	52	61	545
544	44	60	52	61	544
543	43	59	51	60	543
542	43	59	51	60	542
541	42	58	50	59	541
540	42	58	49	59	540
539	42	57	49	58	539
538	41	56	48	58	538
537	41	56	48	57	537
536	40	55	47	56	536
535	40	55	46	56	535
534	39	54	46	55	534
533	38	54	45	55	533
532	37	53	45	54	532
531	37	52	44	54	531
530	36	52	43	53	530
529	35	51	43	53	529
528	35	51	42	52	528
527	34	50	42	51	527
526	34	50	41	51	526

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
525	33	49	40	50	525
524	33	49	40	49	524
523	33	48	39	49	523
522	32	48	39	48	522
521	32	47	38	47	521
520	31	46	38	47	520
519	31	46	37	46	519
518	31	45	37	46	518
517	30	45	36	45	517
516	29	44	36	45	516
515	28	44	35	44	515
514	28	43	34	43	514
513	27	43	34	43	513
512	26	42	33	42	512
511	26	42	33	41	511
510	25	41	32	41	510
509	25	41	32	40	509
508	24	40	31	39	508
507	24	40	31	39	507
506	24	39	30	38	506
505	23	39	30	37	505
504	23	38	29	37	504
503	23	38	29	36	503
502	23	37	28	36	502
501	22	37	28	35	501
500	22	36	27	34	500
499	21	36	27	34	499
498	21	35	26	33	498
497	20	35	26	32	497
496	19	34	25	32	496
495	19	34	25	31	495
494	18	33	24	30	494
493	18	33	24	30	493
492	18	32	24	29	492
491	17	32	23	28	491
490	17	31	23	28	490
489	17	31	22	27	489
488	16	30	22	26	488
487	16	30	21	26	487
486	16	29	21	25	486
485	16	29	20	24	485
484	15	29	20	24	484
483	15	28	20	23	483
482	15	28	19	22	482
481	14	27	19	21	481

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
480	14	27	18	20	480
479	13	26	18	20	479
478	13	26	18	19	478
477	12	25	17	18	477
476	12	25	17	17	476
475	11	25	16	16	475
474	11	24	16	15	474
473	10	24	15	15	473
472	10	23	15	14	472
471	10	23	15	13	471
470	10	23	14	13	470
469	9	22	14	12	469
468	9	22	14	11	468
467	9	21	13	11	467
466	9	21	13	10	466
465	8	21	12	9	465
464	8	20	12	9	464
463	7	20	12	8	463
462	7	19	11	7	462
461	6	19	11	7	461
460	6	19	11	6	460
459	5	18	10	5	459
458	5	18	10	5	458
457	5	18	10	4	457
456	5	17	9	4	456
455	4	17	9	3	455
454	4	16	9	3	454
453	4	16	8	3	453
452	4	16	8	2	452
451	4	15	8	2	451
450	4	15	7	2	450
449	4	15	7	2	449
448	4	14	6	1	448
447	3	14	6	1	447
446	3	14	6	1	446
445	3	13	5	1	445
444	3	13	5	1	444
443	2	13	4	1	443
442	2	12	4	1	442
441	2	12	4	1	441
440	2	12	3	1	440
439	1	11	3	1	439
438	1	11	3	1	438
437	1	11	2	1	437
436	1	10	2	1	436

Table 7: Grade 9 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
435	1	10	2	1	435
434	1	10	2	1	434
433	1	9	2	1	433
432	1	9	1	1	432
431	1	9	1	1	431
430	1	8	1	1	430
429	1	8	1	1	429
428	1	8	1	1	428
427	1	7	1	1	427
426	1	7	1	1	426
425	1	6	1	1	425
424	1	6	1	1	424
423	1	5	1	1	423
422	1	5	1	1	422
421	1	4	1	1	421
420	1	4	1	1	420
419	1	3	1	1	419
418	1	2	1	1	418
417	1	1	1	1	417
416	1	1	1	1	416
415	1	1	1	1	415
414	1	1	1	1	414
413	1	1	1	1	413
412	1	1	1	1	412
411	1	1	1	1	411
410	1	1	1	1	410

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
780	99	99	99	99	99	780
779	99	99	99	99	99	779
778	99	99	99	99	99	778
777	99	99	99	99	99	777
776	99	99	99	99	99	776
775	99	99	99	99	99	775
774	99	99	99	99	99	774
773	99	99	99	99	99	773
772	99	99	99	99	99	772
771	99	99	99	99	99	771
770	99	99	99	99	99	770
769	99	99	99	99	99	769
768	99	99	99	99	99	768
767	99	99	99	99	99	767
766	99	99	99	99	99	766
765	99	99	99	99	99	765
764	99	99	99	99	99	764
763	99	99	99	99	99	763
762	99	99	99	99	99	762
761	99	99	99	99	99	761
760	99	99	99	99	99	760
759	99	99	99	99	99	759
758	99	99	99	99	99	758
757	99	99	99	99	99	757
756	99	99	99	99	99	756
755	99	99	99	99	99	755
754	99	99	99	99	99	754
753	99	99	99	99	99	753
752	99	99	99	99	99	752
751	99	99	99	99	99	751
750	99	99	99	99	99	750
749	99	99	99	99	99	749
748	99	99	99	99	99	748
747	99	99	99	99	99	747
746	99	99	99	99	99	746
745	99	99	99	99	99	745
744	99	99	99	99	99	744
743	99	99	99	99	99	743
742	99	99	99	99	99	742
741	99	99	99	99	99	741
740	99	99	99	99	99	740
739	99	99	99	99	99	739
738	99	99	99	99	99	738
737	99	99	99	99	99	737
736	99	99	99	99	99	736

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
735	99	99	99	99	99	735
734	99	99	99	99	99	734
733	99	99	99	99	99	733
732	99	99	99	99	99	732
731	99	99	99	99	99	731
730	99	99	99	99	99	730
729	98	99	99	99	99	729
728	98	99	99	99	99	728
727	98	99	99	99	99	727
726	98	99	99	99	99	726
725	98	99	99	99	99	725
724	98	99	99	99	99	724
723	98	99	99	99	99	723
722	98	99	99	99	99	722
721	98	99	99	99	99	721
720	98	99	99	99	99	720
719	98	99	99	99	99	719
718	98	99	99	98	99	718
717	98	99	99	98	99	717
716	98	99	99	98	99	716
715	98	99	99	98	98	715
714	98	99	99	98	98	714
713	98	99	99	98	98	713
712	98	99	99	98	98	712
711	98	99	99	98	98	711
710	98	99	99	98	98	710
709	98	99	99	98	98	709
708	98	99	99	98	98	708
707	98	99	99	98	97	707
706	98	99	99	98	97	706
705	98	99	99	98	97	705
704	98	99	99	98	97	704
703	98	99	99	98	97	703
702	98	99	99	98	97	702
701	98	99	99	97	97	701
700	98	99	99	97	97	700
699	98	99	99	97	97	699
698	98	99	99	97	97	698
697	98	99	99	97	96	697
696	98	99	99	97	96	696
695	98	99	99	97	96	695
694	98	98	99	97	96	694
693	97	98	98	97	96	693
692	97	98	98	97	96	692
691	97	98	98	97	96	691

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
690	97	98	98	96	96	690
689	97	98	98	96	96	689
688	97	98	98	96	96	688
687	97	98	98	96	96	687
686	97	98	98	96	96	686
685	96	98	98	96	96	685
684	96	98	98	96	95	684
683	96	98	98	96	95	683
682	96	98	98	96	95	682
681	96	98	98	95	95	681
680	95	98	98	95	94	680
679	95	98	97	95	94	679
678	95	97	97	95	94	678
677	95	97	97	95	94	677
676	94	97	97	95	94	676
675	94	97	97	95	93	675
674	94	97	97	95	93	674
673	94	97	97	94	93	673
672	94	97	96	94	93	672
671	94	97	96	94	93	671
670	94	97	96	94	92	670
669	94	96	96	94	92	669
668	93	96	96	94	92	668
667	93	96	96	94	92	667
666	93	96	95	93	91	666
665	92	96	95	93	91	665
664	92	96	95	93	91	664
663	91	96	95	93	91	663
662	91	95	95	93	90	662
661	91	95	95	93	90	661
660	91	95	94	92	90	660
659	90	95	94	92	90	659
658	90	95	94	92	90	658
657	90	94	94	92	89	657
656	89	94	93	92	89	656
655	89	94	93	91	89	655
654	89	94	93	91	89	654
653	89	94	92	91	88	653
652	88	93	92	91	88	652
651	88	93	92	91	88	651
650	88	93	92	90	88	650
649	87	93	91	90	87	649
648	87	92	91	90	87	648
647	87	92	91	90	87	647
646	87	92	90	90	86	646

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
645	86	92	90	89	86	645
644	86	91	90	89	86	644
643	85	91	89	89	86	643
642	85	91	89	89	86	642
641	84	90	89	88	85	641
640	84	90	88	88	85	640
639	83	90	88	88	85	639
638	82	89	87	88	85	638
637	82	89	87	87	85	637
636	81	89	87	87	85	636
635	80	88	86	87	84	635
634	80	88	86	87	84	634
633	79	88	85	86	84	633
632	79	87	85	86	83	632
631	78	87	84	86	83	631
630	78	87	84	86	82	630
629	78	86	83	85	82	629
628	77	86	83	85	82	628
627	77	86	82	85	81	627
626	77	85	82	85	81	626
625	76	85	82	84	81	625
624	76	84	81	84	80	624
623	76	84	81	84	80	623
622	75	83	80	83	79	622
621	75	83	80	83	79	621
620	74	83	79	83	78	620
619	74	82	79	82	77	619
618	73	82	78	82	76	618
617	72	81	78	82	76	617
616	72	81	77	81	75	616
615	71	80	77	81	75	615
614	70	80	76	81	75	614
613	70	79	75	80	75	613
612	69	79	75	80	75	612
611	68	78	75	79	74	611
610	68	78	74	79	74	610
609	67	77	73	79	74	609
608	66	77	73	78	74	608
607	66	76	72	78	73	607
606	65	76	71	77	73	606
605	65	75	71	77	72	605
604	64	75	70	77	72	604
603	64	74	70	76	71	603
602	63	74	69	76	70	602
601	62	73	69	75	70	601

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
600	61	73	68	75	69	600
599	61	72	67	75	68	599
598	60	72	67	74	68	598
597	59	71	66	74	68	597
596	59	71	66	73	67	596
595	58	70	65	73	67	595
594	58	69	64	72	67	594
593	57	69	64	72	66	593
592	57	68	63	71	66	592
591	57	68	63	71	66	591
590	56	67	62	71	66	590
589	56	67	62	70	65	589
588	56	66	61	70	65	588
587	55	65	60	69	65	587
586	55	65	60	69	64	586
585	55	64	59	68	64	585
584	54	64	58	68	63	584
583	54	63	58	67	63	583
582	54	62	57	67	62	582
581	53	62	57	66	61	581
580	53	61	56	66	60	580
579	53	61	56	65	60	579
578	52	60	55	64	59	578
577	52	59	54	64	58	577
576	51	59	54	63	58	576
575	50	58	53	63	57	575
574	50	58	53	62	57	574
573	49	57	52	62	56	573
572	48	56	52	61	56	572
571	47	56	51	60	56	571
570	47	55	50	60	55	570
569	46	55	50	59	55	569
568	45	54	49	59	54	568
567	45	53	48	58	54	567
566	44	53	48	57	54	566
565	44	52	47	57	53	565
564	43	52	47	56	53	564
563	43	51	46	56	52	563
562	42	50	46	55	52	562
561	42	50	45	55	51	561
560	41	49	44	54	51	560
559	41	49	44	53	51	559
558	40	48	43	53	50	558
557	40	47	43	52	50	557
556	40	47	42	51	49	556

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
555	39	46	42	51	49	555
554	39	46	41	50	48	554
553	38	45	40	49	48	553
552	38	44	40	49	48	552
551	38	44	39	48	46	551
550	37	43	39	47	45	550
549	37	43	38	47	44	549
548	37	42	38	46	43	548
547	36	42	37	46	42	547
546	35	41	36	45	41	546
545	34	40	36	44	40	545
544	33	40	35	44	39	544
543	32	39	35	43	38	543
542	32	39	34	42	38	542
541	31	38	34	42	37	541
540	30	38	33	41	37	540
539	30	37	33	40	36	539
538	29	36	32	39	36	538
537	29	36	32	39	35	537
536	29	35	31	38	35	536
535	28	35	31	37	34	535
534	28	34	30	37	34	534
533	27	34	30	36	34	533
532	27	33	29	35	33	532
531	27	33	28	34	33	531
530	26	32	28	34	32	530
529	26	32	27	33	32	529
528	26	31	27	32	32	528
527	25	31	27	32	32	527
526	25	30	26	31	31	526
525	24	30	25	30	31	525
524	24	29	25	29	31	524
523	24	28	25	29	30	523
522	23	28	24	28	29	522
521	23	27	24	27	28	521
520	22	27	23	27	26	520
519	21	27	23	26	25	519
518	21	26	22	25	24	518
517	20	26	22	25	23	517
516	20	25	21	24	22	516
515	19	25	21	23	22	515
514	19	24	20	22	21	514
513	19	24	20	22	20	513
512	18	23	20	21	20	512
511	18	23	19	20	19	511

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
510	18	22	19	20	18	510
509	18	22	18	19	18	509
508	17	21	18	18	18	508
507	17	21	17	18	17	507
506	17	21	17	17	17	506
505	17	20	17	17	17	505
504	16	20	16	16	17	504
503	16	20	16	15	16	503
502	15	19	16	15	16	502
501	15	19	15	14	15	501
500	14	18	15	13	14	500
499	14	18	14	13	14	499
498	13	18	14	12	13	498
497	13	17	14	11	12	497
496	13	17	13	11	11	496
495	12	17	13	10	11	495
494	12	16	13	10	10	494
493	12	16	12	9	10	493
492	11	15	12	9	9	492
491	11	15	12	8	9	491
490	11	15	11	8	8	490
489	11	14	11	7	8	489
488	10	14	11	7	7	488
487	10	14	10	6	7	487
486	9	14	10	6	7	486
485	9	13	10	5	6	485
484	8	13	9	5	6	484
483	8	13	9	5	5	483
482	7	12	9	4	5	482
481	7	12	8	4	4	481
480	6	12	8	4	3	480
479	6	11	8	3	3	479
478	6	11	7	3	3	478
477	6	11	7	3	2	477
476	5	11	7	2	2	476
475	5	10	7	2	2	475
474	5	10	6	2	2	474
473	5	10	6	2	2	473
472	4	10	6	2	2	472
471	4	9	6	1	1	471
470	4	9	5	1	1	470
469	3	9	5	1	1	469
468	3	9	5	1	1	468
467	3	8	5	1	1	467
466	3	8	4	1	1	466

Table 8: Grade 10 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
465	2	8	4	1	1	465
464	2	8	4	1	1	464
463	2	7	3	1	1	463
462	2	7	3	1	1	462
461	2	7	3	1	1	461
460	1	7	2	1	1	460
459	1	7	2	1	1	459
458	1	6	2	1	1	458
457	1	6	2	1	1	457
456	1	6	1	1	1	456
455	1	6	1	1	1	455
454	1	6	1	1	1	454
453	1	5	1	1	1	453
452	1	5	1	1	1	452
451	1	5	1	1	1	451
450	1	5	1	1	1	450
449	1	5	1	1	1	449
448	1	4	1	1	1	448
447	1	4	1	1	1	447
446	1	4	1	1	1	446
445	1	4	1	1	1	445
444	1	3	1	1	1	444
443	1	2	1	1	1	443
442	1	2	1	1	1	442
441	1	1	1	1	1	441
440	1	1	1	1	1	440
439	1	1	1	1	1	439
438	1	1	1	1	1	438
437	1	1	1	1	1	437
436	1	1	1	1	1	436
435	1	1	1	1	1	435

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
800	99	99	99	99	800
799	99	99	99	99	799
798	99	99	99	99	798
797	99	99	99	99	797
796	99	99	99	99	796
795	99	99	99	99	795
794	99	99	99	99	794
793	99	99	99	99	793
792	99	99	99	99	792
791	99	99	99	99	791
790	99	99	99	99	790
789	99	99	99	99	789
788	99	99	99	99	788
787	99	99	99	99	787
786	99	99	99	99	786
785	99	99	99	99	785
784	99	99	99	99	784
783	99	99	99	99	783
782	99	99	99	99	782
781	99	99	99	99	781
780	99	99	99	99	780
779	99	99	99	99	779
778	99	99	99	99	778
777	99	99	99	99	777
776	99	99	99	99	776
775	99	99	99	99	775
774	99	99	99	99	774
773	99	99	99	99	773
772	99	99	99	99	772
771	99	99	99	99	771
770	99	99	99	99	770
769	99	99	99	99	769
768	99	99	99	99	768
767	99	99	99	98	767
766	99	99	99	98	766
765	99	99	99	98	765
764	99	99	99	98	764
763	99	99	99	98	763
762	99	99	99	98	762
761	99	99	99	98	761
760	99	99	99	98	760
759	99	99	99	98	759
758	99	99	99	98	758
757	99	99	99	98	757
756	99	99	99	98	756

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
755	99	99	99	98	755
754	99	99	99	98	754
753	99	99	99	98	753
752	99	99	99	98	752
751	99	99	99	98	751
750	99	99	99	97	750
749	99	99	99	97	749
748	99	99	99	97	748
747	99	99	99	97	747
746	99	99	99	97	746
745	99	99	99	97	745
744	99	99	99	97	744
743	99	99	99	97	743
742	99	99	99	97	742
741	99	99	99	97	741
740	98	99	99	97	740
739	98	99	99	97	739
738	98	99	99	97	738
737	98	99	99	97	737
736	98	99	99	97	736
735	98	99	99	96	735
734	98	99	99	96	734
733	98	99	99	96	733
732	98	99	99	96	732
731	98	99	99	96	731
730	98	99	99	96	730
729	98	99	99	96	729
728	98	99	99	96	728
727	98	99	99	96	727
726	98	99	99	96	726
725	98	99	99	96	725
724	98	99	99	95	724
723	98	99	99	95	723
722	98	99	99	95	722
721	98	99	99	95	721
720	98	99	99	95	720
719	97	99	99	95	719
718	97	99	99	95	718
717	97	98	99	95	717
716	97	98	99	94	716
715	97	98	99	94	715
714	97	98	98	94	714
713	97	98	98	94	713
712	97	98	98	94	712
711	97	98	98	94	711

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
710	97	98	98	93	710
709	97	98	98	93	709
708	97	98	98	93	708
707	96	98	98	93	707
706	96	98	98	93	706
705	95	98	98	93	705
704	95	98	98	93	704
703	95	98	97	92	703
702	95	97	97	92	702
701	95	97	97	92	701
700	95	97	97	92	700
699	95	97	97	92	699
698	95	97	97	92	698
697	94	97	97	92	697
696	94	97	96	92	696
695	94	97	96	91	695
694	94	97	96	91	694
693	94	96	96	91	693
692	94	96	96	91	692
691	93	96	96	91	691
690	93	96	96	91	690
689	93	96	96	91	689
688	93	96	95	90	688
687	93	95	95	90	687
686	93	95	95	90	686
685	92	95	95	90	685
684	92	95	94	90	684
683	92	95	94	90	683
682	92	94	94	90	682
681	92	94	94	89	681
680	91	94	94	89	680
679	91	94	93	89	679
678	91	93	93	89	678
677	90	93	93	89	677
676	90	93	93	89	676
675	90	93	92	88	675
674	89	92	92	88	674
673	89	92	92	88	673
672	89	92	91	88	672
671	89	92	91	87	671
670	88	91	91	87	670
669	88	91	90	87	669
668	87	91	90	87	668
667	87	90	90	86	667
666	86	90	89	86	666

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
665	86	90	89	86	665
664	85	89	89	86	664
663	85	89	89	85	663
662	84	89	88	85	662
661	84	88	88	85	661
660	83	88	87	84	660
659	83	88	87	84	659
658	82	87	86	84	658
657	82	87	86	84	657
656	82	86	86	83	656
655	82	86	85	83	655
654	82	86	85	83	654
653	82	85	84	82	653
652	81	85	84	82	652
651	81	84	83	82	651
650	80	84	83	81	650
649	80	84	82	81	649
648	80	83	82	81	648
647	78	83	81	80	647
646	77	82	81	80	646
645	76	82	80	80	645
644	75	81	80	79	644
643	75	81	79	79	643
642	74	80	79	78	642
641	74	80	78	78	641
640	73	79	77	78	640
639	72	79	77	77	639
638	72	78	77	77	638
637	71	78	76	77	637
636	71	78	75	76	636
635	70	77	75	76	635
634	70	77	74	76	634
633	69	76	73	75	633
632	69	76	73	75	632
631	69	75	73	74	631
630	68	74	72	74	630
629	68	74	71	74	629
628	68	73	71	73	628
627	67	73	70	73	627
626	67	72	70	72	626
625	66	72	69	72	625
624	66	71	68	72	624
623	65	71	68	71	623
622	64	70	67	71	622
621	63	69	66	70	621

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
620	62	69	66	70	620
619	61	68	65	70	619
618	60	68	65	69	618
617	59	67	64	69	617
616	58	67	63	68	616
615	57	66	62	68	615
614	56	65	62	68	614
613	56	65	61	67	613
612	55	64	61	67	612
611	55	64	60	66	611
610	55	63	59	66	610
609	54	62	59	65	609
608	54	62	58	65	608
607	53	61	58	64	607
606	53	61	57	64	606
605	52	60	56	63	605
604	52	59	56	63	604
603	51	59	55	62	603
602	51	58	54	62	602
601	50	58	54	61	601
600	50	57	53	61	600
599	49	57	53	60	599
598	49	56	52	60	598
597	49	56	51	59	597
596	48	55	51	59	596
595	48	55	50	58	595
594	47	54	50	58	594
593	47	53	49	57	593
592	46	53	48	57	592
591	44	52	48	56	591
590	43	52	47	56	590
589	42	51	46	55	589
588	42	51	46	55	588
587	41	50	45	54	587
586	40	49	45	53	586
585	40	49	44	53	585
584	39	48	43	52	584
583	39	48	43	52	583
582	38	47	42	51	582
581	38	46	42	51	581
580	38	46	41	50	580
579	37	45	41	49	579
578	37	45	40	49	578
577	37	44	39	48	577
576	37	44	39	48	576

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
575	36	43	38	47	575
574	35	43	38	47	574
573	34	42	37	46	573
572	34	41	37	46	572
571	33	41	36	45	571
570	32	40	36	45	570
569	31	40	35	44	569
568	31	39	35	44	568
567	30	39	34	43	567
566	30	38	33	42	566
565	29	38	33	42	565
564	29	37	32	41	564
563	28	37	32	41	563
562	28	37	32	40	562
561	28	36	31	39	561
560	27	36	31	39	560
559	27	35	30	38	559
558	27	35	30	37	558
557	26	34	29	37	557
556	26	34	29	36	556
555	26	33	28	35	555
554	25	33	28	34	554
553	25	32	27	34	553
552	25	32	27	33	552
551	24	31	26	32	551
550	24	31	26	32	550
549	24	30	26	31	549
548	23	30	25	31	548
547	23	29	25	30	547
546	23	29	24	29	546
545	22	28	24	29	545
544	22	28	23	28	544
543	22	28	23	27	543
542	21	27	23	27	542
541	21	27	22	26	541
540	21	26	22	25	540
539	20	26	21	24	539
538	19	25	21	24	538
537	19	25	21	23	537
536	18	25	20	22	536
535	18	24	20	22	535
534	17	24	19	21	534
533	17	23	19	20	533
532	16	23	19	19	532
531	16	23	18	18	531

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
530	16	22	18	17	530
529	15	22	17	17	529
528	15	22	17	16	528
527	15	21	17	15	527
526	14	21	16	15	526
525	14	21	16	14	525
524	14	20	16	13	524
523	13	20	15	13	523
522	13	19	15	12	522
521	13	19	15	11	521
520	12	19	14	11	520
519	12	18	14	10	519
518	12	18	14	9	518
517	11	18	13	8	517
516	11	17	13	8	516
515	10	17	13	7	515
514	10	17	12	6	514
513	9	16	12	6	513
512	9	16	12	5	512
511	9	16	11	5	511
510	9	15	11	4	510
509	8	15	11	4	509
508	8	15	10	4	508
507	8	14	10	3	507
506	8	14	10	3	506
505	8	14	9	2	505
504	8	14	9	2	504
503	8	13	9	2	503
502	8	13	8	2	502
501	7	13	8	1	501
500	6	13	8	1	500
499	6	12	7	1	499
498	5	12	7	1	498
497	5	12	7	1	497
496	5	11	6	1	496
495	4	11	6	1	495
494	4	11	6	1	494
493	4	11	6	1	493
492	4	10	5	1	492
491	3	10	5	1	491
490	3	10	4	1	490
489	3	10	4	1	489
488	3	9	4	1	488
487	3	9	4	1	487
486	2	8	3	1	486

Table 9: Grade 11 – Spring 2023 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
485	2	8	3	1	485
484	2	8	2	1	484
483	2	7	2	1	483
482	2	7	2	1	482
481	2	6	2	1	481
480	1	6	1	1	480
479	1	6	1	1	479
478	1	5	1	1	478
477	1	5	1	1	477
476	1	5	1	1	476
475	1	4	1	1	475
474	1	4	1	1	474
473	1	4	1	1	473
472	1	3	1	1	472
471	1	3	1	1	471
470	1	3	1	1	470
469	1	2	1	1	469
468	1	2	1	1	468
467	1	1	1	1	467
466	1	1	1	1	466
465	1	1	1	1	465
464	1	1	1	1	464
463	1	1	1	1	463
462	1	1	1	1	462
461	1	1	1	1	461
460	1	1	1	1	460