

September
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ISASP

**IOWA STATEWIDE ASSESSMENT
of STUDENT PROGRESS**

Iowa Percentile Ranks for 2022

Prepared By
Iowa Testing Programs

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Iowa Statewide Assessment of Student Progress

Iowa Percentile Ranks for 2022

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.

ISASP was first administered in the spring of 2019, and the second administration was spring 2021. This document provides the Iowa Percentile Ranks (IPRs) based on performance from the 2022 administration for students who completed the ISASP in a proctored environment. 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 2022 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 in the spring 2022 administration. 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 2022 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	98	99	99	99	482
481	98	99	99	99	481
480	98	99	99	99	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	98	473
472	98	98	99	97	472
471	98	98	98	97	471
470	98	98	98	97	470
469	98	97	98	96	469
468	97	97	98	96	468
467	97	97	98	96	467
466	96	97	98	96	466

Table 1: Grade 3 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 1: Grade 3 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 1: Grade 3 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
375	14	13	13	13	375
374	13	12	12	11	374
373	12	12	11	10	373
372	11	11	10	9	372
371	10	11	9	8	371
370	10	10	9	7	370
369	9	10	8	6	369
368	9	9	7	5	368
367	9	8	7	5	367
366	8	8	6	4	366
365	7	8	5	3	365
364	6	7	5	3	364
363	5	7	4	2	363
362	4	6	4	2	362
361	3	6	3	1	361
360	3	6	3	1	360
359	2	5	2	1	359
358	2	5	2	1	358
357	1	5	1	1	357
356	1	4	1	1	356
355	1	4	1	1	355
354	1	3	1	1	354
353	1	3	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 2022 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	99	516
515	99	99	99	99	515
514	99	99	99	99	514
513	99	98	99	98	513
512	99	98	99	98	512
511	99	98	99	98	511
510	99	98	99	98	510
509	99	98	99	98	509
508	98	98	99	98	508
507	98	97	99	98	507
506	98	97	99	98	506
505	98	97	99	97	505
504	98	97	98	97	504
503	97	96	98	97	503
502	97	96	98	97	502
501	97	96	98	97	501
500	97	96	98	96	500
499	97	95	97	96	499
498	97	95	97	96	498
497	96	95	97	96	497
496	96	94	97	95	496

Table 2: Grade 4 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
495	96	94	97	95	495
494	95	94	96	95	494
493	95	93	96	94	493
492	95	93	95	94	492
491	94	92	95	94	491
490	94	92	95	94	490
489	94	91	94	93	489
488	94	91	94	93	488
487	93	90	93	92	487
486	93	90	93	92	486
485	92	89	92	92	485
484	92	88	92	91	484
483	92	88	92	91	483
482	91	87	91	90	482
481	91	86	90	90	481
480	90	86	90	89	480
479	89	85	89	89	479
478	89	84	88	88	478
477	89	84	88	88	477
476	88	83	87	88	476
475	88	82	86	87	475
474	87	81	86	86	474
473	86	80	85	86	473
472	86	80	84	85	472
471	85	79	83	85	471
470	83	78	82	84	470
469	82	77	81	84	469
468	81	76	81	83	468
467	80	75	80	82	467
466	80	74	78	81	466
465	79	73	77	81	465
464	78	72	76	80	464
463	77	71	76	79	463
462	77	70	75	78	462
461	77	69	73	78	461
460	76	68	72	77	460
459	76	67	71	76	459
458	75	66	70	75	458
457	74	65	69	75	457
456	72	64	68	74	456
455	71	63	67	73	455
454	69	62	65	72	454
453	68	61	65	72	453
452	67	60	63	71	452
451	66	59	62	70	451

Table 2: Grade 4 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
450	65	58	61	69	450
449	64	57	60	69	449
448	63	56	59	68	448
447	61	55	58	67	447
446	60	54	57	66	446
445	59	53	56	66	445
444	58	52	55	65	444
443	58	51	54	64	443
442	57	50	52	63	442
441	56	49	51	62	441
440	55	48	50	61	440
439	54	47	49	60	439
438	52	46	48	59	438
437	51	45	47	58	437
436	49	44	46	57	436
435	48	43	45	56	435
434	47	42	44	56	434
433	46	41	43	55	433
432	45	40	42	54	432
431	45	39	41	53	431
430	44	38	40	52	430
429	43	37	39	51	429
428	42	36	38	50	428
427	42	35	37	49	427
426	41	35	36	49	426
425	40	34	35	48	425
424	40	33	35	47	424
423	39	32	34	46	423
422	38	31	33	45	422
421	36	30	32	44	421
420	35	29	31	43	420
419	33	29	30	42	419
418	32	28	29	41	418
417	31	27	29	39	417
416	31	26	28	39	416
415	30	25	27	38	415
414	30	25	26	37	414
413	29	24	26	36	413
412	28	23	25	35	412
411	28	23	24	34	411
410	27	22	23	33	410
409	27	21	23	32	409
408	26	21	22	31	408
407	25	20	21	31	407
406	25	19	21	30	406

Table 2: Grade 4 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
405	24	19	20	29	405
404	24	18	19	28	404
403	23	18	19	26	403
402	22	17	18	25	402
401	22	16	17	24	401
400	21	16	17	23	400
399	21	15	16	23	399
398	20	15	16	22	398
397	20	14	15	21	397
396	19	14	14	19	396
395	18	13	14	18	395
394	17	13	13	17	394
393	16	12	12	17	393
392	16	12	12	16	392
391	15	11	11	15	391
390	14	11	11	14	390
389	14	10	10	13	389
388	13	10	10	12	388
387	12	9	9	11	387
386	11	9	9	10	386
385	10	9	8	9	385
384	9	8	8	9	384
383	9	8	7	8	383
382	9	8	7	7	382
381	8	7	6	6	381
380	8	7	6	5	380
379	8	7	6	5	379
378	8	6	5	4	378
377	7	6	5	4	377
376	6	6	4	3	376
375	5	5	4	3	375
374	4	5	4	2	374
373	4	5	3	2	373
372	3	4	3	2	372
371	3	4	2	1	371
370	3	4	2	1	370
369	2	3	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	2	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 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
360	1	2	1	1	360
359	1	1	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 2022 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	98	99	552
551	99	99	99	98	99	551
550	99	99	99	98	99	550
549	99	99	99	98	98	549
548	99	99	99	98	98	548
547	99	99	99	98	98	547
546	99	98	99	98	98	546

Table 3: Grade 5 – Spring 2022 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	98	99	97	98	543
542	99	98	99	97	98	542
541	99	98	99	97	98	541
540	99	98	99	97	98	540
539	99	98	99	97	97	539
538	99	97	99	97	97	538
537	99	97	99	97	97	537
536	99	97	99	96	97	536
535	99	97	99	96	97	535
534	99	97	99	96	97	534
533	99	97	98	96	96	533
532	98	96	98	96	96	532
531	98	96	98	96	96	531
530	98	96	98	95	96	530
529	97	96	98	95	96	529
528	97	96	97	95	96	528
527	97	95	97	95	96	527
526	97	95	97	94	95	526
525	96	95	97	94	95	525
524	96	95	97	94	94	524
523	96	94	96	94	94	523
522	96	94	96	93	94	522
521	95	94	96	93	93	521
520	95	93	96	93	93	520
519	94	93	95	92	92	519
518	94	93	95	92	92	518
517	93	92	95	92	92	517
516	93	92	94	92	91	516
515	93	92	94	91	91	515
514	92	91	94	91	90	514
513	92	91	93	90	90	513
512	92	91	93	90	90	512
511	92	90	92	90	89	511
510	92	90	92	89	89	510
509	91	89	91	89	88	509
508	91	89	91	88	88	508
507	90	89	90	88	87	507
506	90	88	90	88	87	506
505	89	88	89	87	86	505
504	88	88	89	87	86	504
503	87	87	88	87	86	503
502	87	86	88	86	85	502
501	86	86	87	86	85	501

Table 3: Grade 5 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
500	85	85	87	85	85	500
499	84	85	86	85	84	499
498	83	84	85	84	84	498
497	83	84	85	84	83	497
496	82	83	84	83	83	496
495	82	83	83	83	82	495
494	82	82	83	82	82	494
493	81	81	82	82	81	493
492	80	81	81	81	80	492
491	79	80	81	81	80	491
490	78	79	80	81	79	490
489	77	79	79	80	78	489
488	76	78	78	80	77	488
487	76	77	78	79	76	487
486	75	77	77	79	76	486
485	74	76	76	78	75	485
484	73	75	75	78	74	484
483	73	75	74	77	73	483
482	72	74	73	76	72	482
481	71	73	73	76	71	481
480	70	72	72	75	70	480
479	69	72	71	74	70	479
478	68	71	70	74	69	478
477	67	70	69	73	68	477
476	66	70	68	73	68	476
475	65	69	67	72	67	475
474	64	68	67	71	67	474
473	62	68	65	71	66	473
472	60	67	65	70	65	472
471	59	66	64	70	63	471
470	58	65	63	69	61	470
469	58	65	62	68	61	469
468	57	64	61	68	60	468
467	56	63	60	67	59	467
466	56	62	59	66	59	466
465	55	61	58	66	58	465
464	55	60	57	65	57	464
463	54	60	56	64	57	463
462	53	59	56	64	55	462
461	53	58	55	63	54	461
460	51	57	54	62	53	460
459	50	56	53	62	52	459
458	48	55	52	61	50	458
457	47	54	51	60	48	457
456	46	54	50	60	47	456

Table 3: Grade 5 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
455	45	53	49	59	45	455
454	45	52	48	58	44	454
453	44	51	47	57	43	453
452	44	50	46	57	42	452
451	43	49	45	56	41	451
450	43	48	45	55	39	450
449	42	48	44	54	38	449
448	41	47	43	54	38	448
447	40	46	42	53	37	447
446	38	45	41	52	37	446
445	37	45	40	51	36	445
444	36	44	39	50	36	444
443	35	43	38	49	35	443
442	34	42	37	49	35	442
441	33	41	37	48	34	441
440	32	41	35	47	34	440
439	32	40	35	46	33	439
438	31	39	34	46	33	438
437	30	38	33	45	32	437
436	30	37	32	44	30	436
435	29	36	32	43	29	435
434	29	36	31	42	28	434
433	28	35	30	41	27	433
432	28	34	29	40	26	432
431	26	33	28	39	25	431
430	25	32	27	38	24	430
429	24	32	27	37	23	429
428	22	31	26	36	22	428
427	21	30	25	35	21	427
426	20	29	24	34	20	426
425	20	28	24	33	19	425
424	19	28	23	32	18	424
423	19	27	22	31	17	423
422	18	26	21	30	17	422
421	17	26	21	29	16	421
420	17	25	20	28	16	420
419	16	24	19	27	15	419
418	16	23	18	26	14	418
417	15	23	18	25	13	417
416	14	22	17	24	12	416
415	13	22	16	23	11	415
414	12	21	16	22	11	414
413	11	21	15	21	10	413
412	11	20	15	20	10	412
411	10	19	14	19	10	411

Table 3: Grade 5 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 3: Grade 5 – Spring 2022 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 2022 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 2022 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	98	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	99	99	99	98	582
581	98	99	99	97	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	99	99	97	575
574	98	99	99	97	574
573	98	99	99	97	573
572	98	99	99	96	572
571	98	99	99	96	571
570	98	99	99	96	570
569	97	98	99	96	569
568	97	98	99	96	568
567	97	98	99	96	567
566	97	98	98	96	566
565	97	98	98	95	565
564	97	98	98	95	564
563	97	98	98	95	563
562	96	98	98	95	562
561	96	97	98	95	561
560	96	97	98	94	560
559	96	97	98	94	559
558	96	97	97	94	558
557	95	97	97	94	557
556	95	97	97	94	556
555	95	96	97	93	555
554	95	96	97	93	554
553	94	96	96	93	553
552	94	96	96	93	552
551	94	96	96	92	551

Table 4: Grade 6 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
550	94	95	96	92	550
549	93	95	96	92	549
548	93	95	95	92	548
547	92	95	95	91	547
546	92	94	95	91	546
545	92	94	94	91	545
544	91	94	94	90	544
543	91	93	94	90	543
542	91	93	94	90	542
541	90	93	93	90	541
540	90	92	93	89	540
539	90	92	92	89	539
538	90	92	92	89	538
537	90	91	92	88	537
536	89	91	91	88	536
535	88	91	91	88	535
534	87	90	91	87	534
533	87	90	90	87	533
532	86	90	90	86	532
531	85	89	89	86	531
530	84	89	89	86	530
529	84	88	88	85	529
528	83	88	88	85	528
527	83	87	87	84	527
526	82	87	87	84	526
525	82	86	86	84	525
524	81	86	86	83	524
523	81	85	85	83	523
522	80	85	85	82	522
521	80	84	84	82	521
520	80	84	83	81	520
519	79	83	83	81	519
518	79	83	82	81	518
517	78	82	81	80	517
516	78	81	81	80	516
515	77	81	80	79	515
514	77	80	79	79	514
513	76	80	79	78	513
512	75	79	78	78	512
511	74	78	77	77	511
510	74	78	77	77	510
509	73	77	76	76	509
508	73	77	75	76	508
507	72	76	74	75	507
506	71	75	74	75	506

Table 4: Grade 6 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
505	70	75	73	74	505
504	69	74	72	74	504
503	69	73	71	73	503
502	68	72	71	72	502
501	67	72	70	72	501
500	66	71	69	71	500
499	65	70	68	71	499
498	64	69	68	70	498
497	63	69	67	69	497
496	63	68	66	69	496
495	62	67	65	68	495
494	60	67	64	67	494
493	59	66	63	67	493
492	57	65	62	66	492
491	57	64	62	66	491
490	56	63	61	65	490
489	55	62	60	64	489
488	54	62	59	64	488
487	54	61	58	63	487
486	53	60	57	62	486
485	53	59	57	61	485
484	53	58	56	61	484
483	52	58	54	60	483
482	52	57	54	59	482
481	52	56	53	58	481
480	51	55	52	58	480
479	50	55	51	57	479
478	50	54	50	56	478
477	49	53	49	56	477
476	48	52	48	55	476
475	48	51	48	54	475
474	46	50	47	53	474
473	45	49	46	53	473
472	43	48	45	52	472
471	41	48	44	51	471
470	40	47	43	50	470
469	38	46	42	49	469
468	38	45	41	49	468
467	37	45	40	48	467
466	36	44	40	47	466
465	36	43	39	46	465
464	35	42	38	46	464
463	34	41	37	45	463
462	34	40	36	44	462
461	33	39	35	44	461

Table 4: Grade 6 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
460	32	39	35	43	460
459	32	38	34	42	459
458	31	37	33	41	458
457	31	37	32	41	457
456	30	36	32	40	456
455	30	35	31	39	455
454	30	34	30	38	454
453	29	34	30	37	453
452	29	33	29	37	452
451	29	32	28	36	451
450	28	31	27	35	450
449	27	31	27	34	449
448	26	30	26	33	448
447	25	29	25	32	447
446	24	29	24	32	446
445	23	28	24	31	445
444	22	27	23	30	444
443	21	27	23	29	443
442	21	26	22	29	442
441	20	26	21	28	441
440	20	25	21	27	440
439	19	24	20	26	439
438	19	24	19	26	438
437	18	23	19	25	437
436	18	22	18	24	436
435	17	22	18	23	435
434	16	21	17	23	434
433	16	21	17	22	433
432	15	20	16	21	432
431	15	20	15	20	431
430	14	19	15	19	430
429	14	19	14	19	429
428	13	18	14	18	428
427	12	18	13	17	427
426	12	17	13	17	426
425	11	17	12	16	425
424	10	16	12	15	424
423	9	16	11	15	423
422	9	15	11	14	422
421	9	15	10	14	421
420	8	14	10	13	420
419	8	14	9	12	419
418	8	13	9	11	418
417	7	13	9	11	417
416	7	12	8	10	416

Table 4: Grade 6 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
415	6	12	8	10	415
414	6	12	7	9	414
413	6	11	7	9	413
412	5	11	7	8	412
411	5	10	6	8	411
410	5	10	6	7	410
409	4	9	5	7	409
408	4	9	5	6	408
407	4	9	5	6	407
406	3	8	4	5	406
405	3	8	4	5	405
404	3	8	4	4	404
403	2	8	3	4	403
402	2	7	3	4	402
401	2	7	3	3	401
400	2	7	3	3	400
399	1	6	2	3	399
398	1	6	2	2	398
397	1	6	2	2	397
396	1	5	2	2	396
395	1	5	2	2	395
394	1	5	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	2	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	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

Table 4: Grade 6 – Spring 2022 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 2022 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 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
635	99	99	99	99	635
634	99	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	99	625
624	98	99	99	99	624
623	98	99	99	99	623
622	98	99	99	98	622
621	98	99	99	98	621
620	98	99	99	98	620
619	98	99	99	98	619
618	98	99	99	98	618
617	97	99	99	98	617
616	97	99	99	98	616
615	97	99	99	98	615
614	97	99	99	98	614
613	97	99	99	98	613
612	97	99	99	98	612
611	97	99	98	98	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	98	98	97	606
605	97	98	98	97	605
604	96	98	98	97	604
603	96	98	98	97	603
602	96	98	98	96	602
601	96	98	98	96	601
600	96	98	97	96	600
599	96	98	97	96	599
598	95	97	97	96	598
597	95	97	97	96	597
596	95	97	97	96	596
595	95	97	97	96	595
594	95	97	97	95	594
593	95	97	97	95	593
592	94	97	96	95	592
591	94	96	96	95	591

Table 5: Grade 7 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
590	94	96	96	95	590
589	94	96	96	95	589
588	94	96	96	94	588
587	93	96	96	94	587
586	93	95	95	94	586
585	93	95	95	94	585
584	93	95	95	94	584
583	93	95	95	93	583
582	92	94	94	93	582
581	92	94	94	93	581
580	92	94	94	93	580
579	92	93	94	93	579
578	92	93	93	93	578
577	91	93	93	92	577
576	91	93	93	92	576
575	91	92	93	92	575
574	91	92	92	92	574
573	90	92	92	91	573
572	90	91	92	91	572
571	90	91	91	91	571
570	90	90	91	91	570
569	89	90	91	90	569
568	89	90	90	90	568
567	88	89	90	90	567
566	88	89	90	90	566
565	87	89	89	89	565
564	87	88	89	89	564
563	87	88	88	89	563
562	86	88	88	88	562
561	86	87	87	88	561
560	86	87	87	88	560
559	86	86	87	88	559
558	85	86	86	87	558
557	85	85	86	87	557
556	84	85	85	87	556
555	84	84	85	86	555
554	83	84	84	86	554
553	82	83	84	86	553
552	82	83	83	85	552
551	81	82	83	85	551
550	81	82	82	85	550
549	80	81	81	84	549
548	80	80	81	84	548
547	79	80	80	84	547
546	79	79	80	83	546

Table 5: Grade 7 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
545	78	79	79	83	545
544	78	78	79	83	544
543	77	78	78	82	543
542	77	77	77	82	542
541	76	76	77	82	541
540	75	76	76	81	540
539	75	75	75	81	539
538	74	75	75	80	538
537	73	74	74	80	537
536	72	73	73	80	536
535	70	73	73	79	535
534	70	72	72	79	534
533	69	71	71	78	533
532	68	71	71	78	532
531	67	70	70	77	531
530	67	69	69	77	530
529	66	68	68	77	529
528	66	68	67	76	528
527	64	67	67	76	527
526	63	66	66	75	526
525	62	66	65	75	525
524	61	65	64	74	524
523	60	64	64	74	523
522	60	63	63	73	522
521	60	63	62	73	521
520	59	62	61	72	520
519	59	61	60	72	519
518	58	60	60	71	518
517	58	60	59	71	517
516	58	59	58	70	516
515	57	58	57	70	515
514	57	57	57	69	514
513	56	57	56	68	513
512	56	56	55	68	512
511	55	55	54	67	511
510	53	54	53	67	510
509	52	54	53	66	509
508	51	53	52	66	508
507	50	52	51	65	507
506	49	51	50	64	506
505	49	51	49	64	505
504	48	50	49	63	504
503	47	49	48	63	503
502	47	48	47	62	502
501	46	48	46	61	501

Table 5: Grade 7 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
500	45	47	46	60	500
499	44	46	45	60	499
498	43	45	44	59	498
497	43	45	43	59	497
496	42	44	42	58	496
495	41	43	42	58	495
494	41	43	41	57	494
493	40	42	40	56	493
492	39	41	39	56	492
491	39	41	39	55	491
490	38	40	38	54	490
489	37	39	37	53	489
488	37	39	37	53	488
487	36	38	36	52	487
486	35	38	35	51	486
485	35	37	34	50	485
484	34	36	34	49	484
483	34	36	33	49	483
482	33	35	32	48	482
481	32	35	31	47	481
480	32	34	31	46	480
479	31	33	30	45	479
478	30	33	30	45	478
477	30	32	29	44	477
476	29	32	28	43	476
475	28	31	28	42	475
474	28	30	27	41	474
473	26	30	26	40	473
472	25	29	26	40	472
471	24	29	25	39	471
470	23	28	24	38	470
469	22	27	24	37	469
468	21	27	23	36	468
467	20	26	22	35	467
466	20	26	22	34	466
465	19	25	21	34	465
464	19	24	21	33	464
463	18	24	20	32	463
462	18	23	19	31	462
461	18	23	19	30	461
460	17	22	19	29	460
459	17	22	18	28	459
458	16	21	17	27	458
457	16	21	17	27	457
456	16	20	17	26	456

Table 5: Grade 7 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
455	15	20	16	25	455
454	15	19	16	24	454
453	14	19	15	23	453
452	14	18	15	22	452
451	14	18	15	21	451
450	13	17	14	20	450
449	13	17	13	19	449
448	13	16	13	18	448
447	12	16	13	17	447
446	12	15	12	16	446
445	12	15	12	16	445
444	11	14	12	15	444
443	11	14	11	14	443
442	11	14	11	13	442
441	10	13	10	13	441
440	10	13	10	12	440
439	9	12	10	11	439
438	9	12	9	11	438
437	9	12	9	10	437
436	9	11	9	9	436
435	8	11	8	9	435
434	8	11	8	8	434
433	8	10	7	7	433
432	7	10	7	7	432
431	7	9	7	6	431
430	6	9	6	6	430
429	5	9	6	5	429
428	5	8	6	5	428
427	4	8	5	4	427
426	4	8	5	4	426
425	4	7	5	4	425
424	4	7	4	3	424
423	3	7	4	3	423
422	3	7	4	2	422
421	3	6	3	2	421
420	3	6	3	2	420
419	3	6	3	2	419
418	2	5	3	2	418
417	2	5	2	1	417
416	2	5	2	1	416
415	2	5	2	1	415
414	2	4	2	1	414
413	1	4	2	1	413
412	1	4	2	1	412
411	1	4	1	1	411

Table 5: Grade 7 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
410	1	4	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	3	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 2022 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 2022 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	99	99	664
663	99	99	99	99	99	663
662	99	99	99	99	99	662
661	99	99	99	99	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	98	99	650
649	99	99	99	98	99	649
648	99	99	99	98	99	648
647	99	99	99	98	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	99	99	97	99	643
642	99	99	99	97	98	642
641	99	99	99	97	98	641
640	99	99	99	97	98	640
639	99	98	99	97	98	639
638	99	98	99	97	98	638
637	99	98	99	97	98	637
636	99	98	99	97	98	636
635	99	98	99	96	98	635
634	99	98	99	96	98	634
633	99	98	99	96	98	633
632	99	98	99	96	98	632
631	99	98	99	96	98	631

Table 6: Grade 8 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 6: Grade 8 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 6: Grade 8 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
540	60	53	56	69	57	540
539	59	52	56	68	56	539
538	59	51	55	68	55	538
537	58	50	54	68	54	537
536	57	50	53	67	54	536
535	56	49	53	66	53	535
534	55	48	52	66	53	534
533	54	47	51	65	52	533
532	53	47	50	65	52	532
531	53	46	50	64	52	531
530	52	46	49	63	51	530
529	51	45	48	63	51	529
528	50	44	47	62	50	528
527	50	44	47	62	50	527
526	49	43	46	61	49	526
525	49	42	45	60	49	525
524	48	42	44	60	48	524
523	47	41	44	59	47	523
522	47	40	43	59	47	522
521	46	40	42	58	46	521
520	46	39	41	58	45	520
519	45	38	41	57	45	519
518	45	38	40	56	44	518
517	45	37	39	56	43	517
516	44	37	39	55	42	516
515	44	36	38	54	41	515
514	43	36	37	54	40	514
513	43	35	37	53	39	513
512	42	35	36	52	39	512
511	41	34	35	52	38	511
510	40	33	35	51	37	510
509	39	33	34	50	36	509
508	38	32	33	49	35	508
507	37	32	33	49	35	507
506	35	31	32	48	35	506
505	34	31	32	47	35	505
504	33	30	31	46	34	504
503	33	30	30	46	34	503
502	32	29	30	45	34	502
501	32	29	29	44	34	501
500	31	28	29	43	34	500
499	30	27	28	43	33	499
498	30	27	27	42	33	498
497	29	27	27	41	32	497
496	29	26	26	40	32	496

Table 6: Grade 8 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
495	28	26	26	40	31	495
494	27	25	25	39	30	494
493	27	25	25	38	30	493
492	26	24	24	37	29	492
491	26	24	23	36	28	491
490	25	23	23	36	27	490
489	25	23	23	35	26	489
488	24	22	22	34	25	488
487	24	22	22	33	24	487
486	23	21	21	32	23	486
485	23	21	21	32	22	485
484	22	21	20	31	22	484
483	21	20	20	30	21	483
482	21	20	19	29	20	482
481	21	20	19	28	20	481
480	20	19	18	27	20	480
479	20	19	18	26	20	479
478	19	18	17	25	19	478
477	19	18	17	25	19	477
476	19	18	17	24	19	476
475	18	17	16	23	19	475
474	18	17	16	22	18	474
473	18	16	15	21	18	473
472	17	16	15	21	17	472
471	17	16	14	20	17	471
470	16	15	14	19	16	470
469	16	15	14	18	16	469
468	16	15	13	17	15	468
467	15	14	13	17	14	467
466	14	14	13	16	13	466
465	13	14	12	15	13	465
464	13	13	12	14	12	464
463	12	13	12	13	12	463
462	12	13	11	12	11	462
461	11	12	11	12	11	461
460	11	12	11	11	10	460
459	11	12	10	10	10	459
458	10	11	10	10	10	458
457	10	11	10	9	9	457
456	10	11	9	9	8	456
455	9	11	9	8	8	455
454	9	10	9	8	7	454
453	9	10	8	7	6	453
452	9	10	8	7	6	452
451	8	9	8	6	6	451

Table 6: Grade 8 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
450	8	9	7	5	5	450
449	8	9	7	5	5	449
448	7	9	7	4	5	448
447	7	8	7	4	5	447
446	7	8	6	3	4	446
445	7	8	6	3	4	445
444	6	8	6	3	4	444
443	6	7	6	3	3	443
442	6	7	5	2	3	442
441	6	7	5	2	3	441
440	6	7	5	2	3	440
439	5	6	5	2	2	439
438	5	6	4	1	2	438
437	5	6	4	1	2	437
436	5	6	4	1	2	436
435	5	6	4	1	2	435
434	4	5	4	1	2	434
433	4	5	3	1	1	433
432	4	5	3	1	1	432
431	3	5	3	1	1	431
430	3	5	3	1	1	430
429	3	4	3	1	1	429
428	3	4	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	3	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	2	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 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
405	1	1	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 2022 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 2022 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	99	701
700	99	99	99	99	700
699	99	99	99	99	699
698	99	99	99	99	698
697	99	99	99	99	697
696	99	99	99	99	696
695	99	99	99	99	695
694	99	99	99	99	694
693	99	99	99	99	693
692	99	99	99	99	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	98	682
681	99	99	99	98	681
680	99	99	99	98	680
679	99	99	99	98	679
678	99	99	99	98	678
677	99	99	99	98	677
676	99	99	99	98	676
675	99	99	99	98	675
674	99	99	99	98	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	97	669
668	99	99	99	97	668
667	99	99	99	97	667
666	99	99	99	97	666
665	99	99	99	97	665
664	99	99	99	97	664
663	99	99	99	97	663
662	99	98	99	97	662
661	99	98	99	97	661

Table 7: Grade 9 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
660	99	98	99	96	660
659	99	98	99	96	659
658	98	98	99	96	658
657	98	98	99	96	657
656	98	98	99	96	656
655	98	98	99	96	655
654	98	98	99	96	654
653	98	98	99	96	653
652	98	98	99	96	652
651	98	97	98	95	651
650	97	97	98	95	650
649	97	97	98	95	649
648	97	97	98	95	648
647	97	97	98	95	647
646	97	97	98	95	646
645	97	97	98	95	645
644	97	97	98	95	644
643	97	96	97	94	643
642	97	96	97	94	642
641	96	96	97	94	641
640	96	96	97	94	640
639	96	96	97	94	639
638	96	96	97	94	638
637	96	95	97	94	637
636	96	95	96	93	636
635	96	95	96	93	635
634	95	95	96	93	634
633	94	95	96	93	633
632	94	94	95	93	632
631	93	94	95	92	631
630	93	94	95	92	630
629	93	94	95	92	629
628	92	94	95	92	628
627	92	93	94	92	627
626	91	93	94	92	626
625	91	93	94	91	625
624	91	93	94	91	624
623	90	93	93	91	623
622	90	92	93	91	622
621	89	92	93	91	621
620	88	92	92	90	620
619	87	92	92	90	619
618	87	91	92	90	618
617	86	91	92	90	617
616	86	91	91	89	616

Table 7: Grade 9 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
615	85	91	91	89	615
614	85	90	91	89	614
613	84	90	90	89	613
612	84	90	90	88	612
611	83	90	89	88	611
610	83	89	89	88	610
609	83	89	89	88	609
608	83	89	88	87	608
607	83	88	87	87	607
606	82	88	87	87	606
605	82	88	87	87	605
604	82	87	86	86	604
603	81	87	86	86	603
602	81	87	86	86	602
601	80	87	85	85	601
600	79	86	85	85	600
599	78	86	84	85	599
598	77	85	84	85	598
597	76	85	83	84	597
596	75	85	83	84	596
595	75	84	82	84	595
594	74	84	82	83	594
593	73	84	81	83	593
592	73	83	81	83	592
591	72	83	80	82	591
590	72	82	79	82	590
589	71	82	79	82	589
588	70	82	78	81	588
587	70	81	78	81	587
586	69	81	77	81	586
585	69	80	77	80	585
584	68	80	76	80	584
583	68	79	75	79	583
582	67	79	75	79	582
581	66	79	74	79	581
580	65	78	74	78	580
579	65	78	73	78	579
578	64	77	73	77	578
577	63	77	72	77	577
576	62	76	71	77	576
575	61	76	71	76	575
574	60	75	70	76	574
573	60	75	69	75	573
572	59	74	69	75	572
571	59	74	68	75	571

Table 7: Grade 9 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
570	58	73	68	74	570
569	58	73	67	74	569
568	58	72	66	73	568
567	57	72	66	73	567
566	57	71	65	72	566
565	56	71	64	72	565
564	56	70	64	71	564
563	55	70	63	71	563
562	55	69	63	70	562
561	54	69	62	70	561
560	53	68	61	69	560
559	53	68	61	69	559
558	52	67	60	68	558
557	52	67	59	68	557
556	51	66	59	68	556
555	50	66	58	67	555
554	49	65	57	67	554
553	48	65	57	66	553
552	48	64	56	66	552
551	47	63	56	65	551
550	46	63	55	65	550
549	45	62	54	64	549
548	44	62	54	64	548
547	44	61	53	63	547
546	43	61	52	63	546
545	43	60	52	62	545
544	43	60	51	62	544
543	42	59	51	61	543
542	42	58	50	61	542
541	41	58	49	60	541
540	41	57	49	60	540
539	41	57	48	59	539
538	40	56	47	58	538
537	40	56	47	58	537
536	39	55	46	57	536
535	38	54	46	57	535
534	38	54	45	56	534
533	37	53	44	56	533
532	36	53	44	55	532
531	35	52	43	55	531
530	35	52	42	54	530
529	34	51	42	54	529
528	33	50	41	53	528
527	33	50	41	52	527
526	32	49	40	52	526

Table 7: Grade 9 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
525	32	49	40	51	525
524	32	48	39	50	524
523	31	48	38	50	523
522	31	47	38	49	522
521	31	47	37	49	521
520	30	46	37	48	520
519	30	45	36	47	519
518	30	45	36	47	518
517	29	44	35	46	517
516	28	44	34	46	516
515	27	43	34	45	515
514	27	43	33	45	514
513	26	42	33	44	513
512	25	42	32	43	512
511	25	41	32	43	511
510	24	41	31	42	510
509	24	40	31	41	509
508	23	40	30	41	508
507	23	39	30	40	507
506	23	39	29	39	506
505	23	38	29	39	505
504	22	38	28	38	504
503	22	37	28	37	503
502	22	37	27	37	502
501	21	36	27	36	501
500	21	36	27	35	500
499	20	35	26	35	499
498	20	35	25	34	498
497	19	34	25	33	497
496	19	34	25	33	496
495	18	33	24	32	495
494	18	33	23	31	494
493	17	32	23	31	493
492	17	32	23	30	492
491	16	31	22	29	491
490	16	31	22	28	490
489	16	30	21	28	489
488	16	30	21	27	488
487	15	29	21	26	487
486	15	29	20	26	486
485	15	29	20	25	485
484	15	28	19	24	484
483	14	28	19	23	483
482	14	27	18	23	482
481	14	27	18	22	481

Table 7: Grade 9 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 7: Grade 9 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
435	1	10	2	1	435
434	1	9	2	1	434
433	1	9	1	1	433
432	1	9	1	1	432
431	1	8	1	1	431
430	1	8	1	1	430
429	1	8	1	1	429
428	1	7	1	1	428
427	1	7	1	1	427
426	1	6	1	1	426
425	1	6	1	1	425
424	1	5	1	1	424
423	1	5	1	1	423
422	1	5	1	1	422
421	1	4	1	1	421
420	1	3	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 2022 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 2022 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	98	99	99	99	99	733
732	98	99	99	99	99	732
731	98	99	99	99	99	731
730	98	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	99	99	718
717	98	99	99	99	99	717
716	98	99	99	99	99	716
715	98	99	99	99	99	715
714	98	99	99	99	98	714
713	98	99	99	99	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	98	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	98	97	701
700	98	99	99	98	97	700
699	98	99	99	98	97	699
698	98	99	99	98	97	698
697	98	99	99	98	97	697
696	98	99	99	97	96	696
695	98	99	99	97	96	695
694	97	99	99	97	96	694
693	97	99	99	97	96	693
692	97	99	99	97	96	692
691	97	99	99	97	96	691

Table 8: Grade 10 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
690	97	99	99	97	96	690
689	97	99	99	97	96	689
688	97	99	99	97	96	688
687	97	99	98	97	96	687
686	96	99	98	97	96	686
685	96	99	98	96	96	685
684	96	99	98	96	96	684
683	96	99	98	96	95	683
682	96	99	98	96	95	682
681	95	99	98	96	95	681
680	95	99	98	96	94	680
679	95	99	98	96	94	679
678	95	99	98	96	94	678
677	94	99	98	95	94	677
676	94	98	98	95	94	676
675	93	98	98	95	93	675
674	93	98	97	95	93	674
673	93	98	97	95	93	673
672	93	98	97	95	93	672
671	93	98	97	95	93	671
670	93	98	97	95	92	670
669	93	98	97	94	92	669
668	93	98	97	94	92	668
667	93	98	97	94	92	667
666	92	98	96	94	91	666
665	92	98	96	94	91	665
664	91	98	96	94	91	664
663	91	97	96	94	91	663
662	91	97	96	93	90	662
661	91	97	96	93	90	661
660	90	97	95	93	90	660
659	90	97	95	93	90	659
658	90	97	95	93	90	658
657	89	97	95	92	89	657
656	89	96	94	92	89	656
655	89	96	94	92	89	655
654	89	96	94	92	89	654
653	88	96	94	92	88	653
652	88	96	93	91	88	652
651	88	96	93	91	88	651
650	87	95	93	91	87	650
649	87	95	92	91	87	649
648	87	95	92	91	87	648
647	86	95	92	90	86	647
646	86	94	92	90	86	646

Table 8: Grade 10 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
645	86	94	91	90	86	645
644	86	94	91	90	86	644
643	85	94	91	90	86	643
642	85	93	90	89	85	642
641	84	93	90	89	85	641
640	83	93	90	89	85	640
639	83	93	89	89	85	639
638	82	92	89	88	85	638
637	81	92	88	88	85	637
636	80	92	88	88	84	636
635	80	91	88	88	84	635
634	79	91	87	87	84	634
633	79	91	87	87	83	633
632	78	90	86	87	83	632
631	78	90	86	87	83	631
630	78	90	85	86	82	630
629	77	89	85	86	82	629
628	77	89	85	86	81	628
627	76	89	84	85	81	627
626	76	88	84	85	81	626
625	76	88	83	85	80	625
624	75	87	83	85	80	624
623	75	87	82	84	79	623
622	75	87	82	84	79	622
621	74	86	81	84	78	621
620	74	86	81	83	77	620
619	73	85	80	83	77	619
618	72	85	80	83	76	618
617	72	84	79	82	75	617
616	71	84	78	82	75	616
615	70	84	78	82	75	615
614	69	83	77	81	74	614
613	69	83	77	81	74	613
612	68	82	76	80	74	612
611	67	82	76	80	74	611
610	67	81	75	80	74	610
609	66	81	74	79	73	609
608	66	80	74	79	73	608
607	65	80	73	78	73	607
606	65	79	73	78	72	606
605	64	79	72	78	72	605
604	64	78	72	77	71	604
603	63	77	71	77	70	603
602	62	77	70	76	70	602
601	61	76	70	76	69	601

Table 8: Grade 10 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
600	60	76	69	76	68	600
599	60	75	68	75	67	599
598	59	75	68	75	67	598
597	58	74	67	74	67	597
596	58	74	67	74	67	596
595	57	73	66	74	66	595
594	57	73	65	73	66	594
593	56	72	65	73	66	593
592	56	71	64	72	65	592
591	56	71	63	72	65	591
590	55	70	63	71	65	590
589	55	70	62	71	64	589
588	55	69	62	70	64	588
587	54	68	61	70	64	587
586	54	68	61	69	63	586
585	54	67	60	69	63	585
584	53	67	59	68	63	584
583	53	66	59	68	62	583
582	53	65	58	68	61	582
581	52	65	57	67	60	581
580	52	64	57	67	60	580
579	51	63	56	66	59	579
578	51	63	56	66	58	578
577	51	62	55	65	57	577
576	50	61	55	64	57	576
575	49	61	54	64	56	575
574	49	60	53	63	56	574
573	48	60	53	63	55	573
572	47	59	52	62	55	572
571	46	58	51	62	55	571
570	46	58	51	61	54	570
569	45	57	50	61	54	569
568	44	56	50	60	53	568
567	44	56	49	59	53	567
566	43	55	48	59	52	566
565	43	54	48	58	52	565
564	42	54	47	58	52	564
563	42	53	47	57	51	563
562	41	53	46	57	51	562
561	41	52	46	56	50	561
560	40	51	45	55	50	560
559	40	51	44	55	50	559
558	39	50	44	54	49	558
557	39	49	43	54	49	557
556	39	49	43	53	48	556

Table 8: Grade 10 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
555	38	48	42	52	48	555
554	38	48	41	52	47	554
553	37	47	40	51	47	553
552	37	46	40	50	46	552
551	37	46	39	50	45	551
550	36	45	39	49	44	550
549	36	44	38	49	43	549
548	35	44	38	48	42	548
547	35	43	37	47	41	547
546	34	43	37	47	40	546
545	33	42	36	46	39	545
544	32	41	35	46	38	544
543	31	41	35	45	37	543
542	31	40	34	44	37	542
541	30	40	34	44	36	541
540	29	39	33	43	36	540
539	29	38	33	42	35	539
538	28	38	32	42	35	538
537	28	37	32	41	34	537
536	28	37	31	40	34	536
535	27	36	31	40	33	535
534	27	35	30	39	33	534
533	26	35	29	38	32	533
532	26	34	29	38	32	532
531	26	34	28	37	32	531
530	25	33	28	36	31	530
529	25	33	27	36	31	529
528	25	32	27	35	31	528
527	24	31	26	34	30	527
526	24	31	26	34	30	526
525	23	30	25	33	30	525
524	23	30	25	32	29	524
523	23	29	24	32	29	523
522	22	29	24	31	28	522
521	21	28	23	30	27	521
520	21	28	23	30	25	520
519	20	27	22	29	24	519
518	20	27	22	28	23	518
517	19	26	21	28	22	517
516	19	25	21	27	21	516
515	18	25	21	26	21	515
514	18	24	20	26	20	514
513	18	24	20	25	19	513
512	17	23	19	24	19	512
511	17	23	19	24	18	511

Table 8: Grade 10 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
510	17	23	18	23	17	510
509	17	22	18	22	17	509
508	16	22	17	22	17	508
507	16	21	17	21	17	507
506	16	21	17	20	16	506
505	16	20	16	20	16	505
504	15	20	16	19	16	504
503	15	19	15	18	15	503
502	14	19	15	18	15	502
501	14	19	15	17	14	501
500	13	18	14	16	14	500
499	13	18	14	15	13	499
498	13	17	13	15	12	498
497	12	17	13	14	11	497
496	12	17	13	13	10	496
495	11	16	12	13	10	495
494	11	16	12	12	10	494
493	11	16	12	11	9	493
492	11	15	11	11	9	492
491	10	15	11	10	8	491
490	10	14	11	10	8	490
489	10	14	10	9	7	489
488	10	14	10	9	7	488
487	9	13	10	8	7	487
486	9	13	9	8	6	486
485	8	13	9	7	6	485
484	8	12	9	7	5	484
483	7	12	8	6	5	483
482	7	12	8	6	4	482
481	6	11	8	5	4	481
480	6	11	7	5	3	480
479	6	11	7	4	3	479
478	5	11	7	4	3	478
477	5	10	7	3	2	477
476	5	10	6	3	2	476
475	5	10	6	3	2	475
474	5	10	6	3	2	474
473	4	9	5	2	2	473
472	4	9	5	2	1	472
471	4	9	5	2	1	471
470	3	9	5	2	1	470
469	3	8	4	1	1	469
468	3	8	4	1	1	468
467	3	8	4	1	1	467
466	2	8	4	1	1	466

Table 8: Grade 10 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Science	Scale Score
465	2	7	3	1	1	465
464	2	7	3	1	1	464
463	2	7	3	1	1	463
462	2	7	3	1	1	462
461	2	6	2	1	1	461
460	1	6	2	1	1	460
459	1	6	2	1	1	459
458	1	6	2	1	1	458
457	1	6	1	1	1	457
456	1	5	1	1	1	456
455	1	5	1	1	1	455
454	1	5	1	1	1	454
453	1	5	1	1	1	453
452	1	5	1	1	1	452
451	1	4	1	1	1	451
450	1	4	1	1	1	450
449	1	4	1	1	1	449
448	1	4	1	1	1	448
447	1	4	1	1	1	447
446	1	3	1	1	1	446
445	1	3	1	1	1	445
444	1	3	1	1	1	444
443	1	2	1	1	1	443
442	1	1	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 2022 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	99	767
766	99	99	99	99	766
765	99	99	99	99	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 2022 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	98	750
749	99	99	99	98	749
748	99	99	99	98	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	97	735
734	98	99	99	97	734
733	98	99	99	97	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	96	724
723	98	99	99	96	723
722	98	99	99	96	722
721	98	98	99	96	721
720	98	98	99	96	720
719	97	98	99	95	719
718	97	98	99	95	718
717	97	98	99	95	717
716	97	98	99	95	716
715	97	98	98	95	715
714	97	98	98	95	714
713	97	98	98	95	713
712	97	98	98	94	712
711	97	98	98	94	711

Table 9: Grade 11 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 9: Grade 11 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 9: Grade 11 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
620	62	68	66	74	620
619	61	68	65	73	619
618	60	67	64	73	618
617	59	67	64	73	617
616	58	66	63	72	616
615	57	65	62	72	615
614	57	65	62	71	614
613	56	64	61	71	613
612	56	64	60	71	612
611	55	63	60	70	611
610	55	62	59	70	610
609	54	62	58	69	609
608	54	61	58	69	608
607	53	60	57	68	607
606	53	60	57	68	606
605	52	59	56	68	605
604	52	59	55	67	604
603	51	58	55	67	603
602	51	58	54	66	602
601	51	57	54	66	601
600	50	57	53	65	600
599	50	56	52	65	599
598	49	56	51	64	598
597	49	55	51	64	597
596	48	54	50	63	596
595	48	54	50	63	595
594	47	53	49	62	594
593	47	53	49	62	593
592	46	52	48	61	592
591	45	51	47	61	591
590	43	51	47	60	590
589	42	50	46	60	589
588	42	50	45	59	588
587	41	49	45	59	587
586	40	48	44	58	586
585	40	48	43	57	585
584	39	47	43	57	584
583	39	47	42	56	583
582	38	46	42	56	582
581	38	46	41	55	581
580	38	45	41	54	580
579	37	44	40	54	579
578	37	44	39	53	578
577	37	43	39	53	577
576	36	43	38	52	576

Table 9: Grade 11 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

Scale Score	Reading	Language / Writing	ELA	Mathematics	Scale Score
575	36	42	38	52	575
574	35	42	37	51	574
573	34	41	37	51	573
572	33	40	36	50	572
571	33	40	35	49	571
570	32	39	35	49	570
569	31	39	34	48	569
568	31	38	34	48	568
567	30	38	33	47	567
566	29	37	33	46	566
565	29	37	32	46	565
564	29	36	32	45	564
563	28	36	31	44	563
562	28	36	31	44	562
561	28	35	30	43	561
560	27	35	30	42	560
559	27	34	29	42	559
558	26	34	29	41	558
557	26	33	28	40	557
556	26	33	28	39	556
555	25	32	27	39	555
554	25	32	27	38	554
553	25	31	27	37	553
552	24	31	26	36	552
551	24	30	26	36	551
550	24	30	25	35	550
549	23	29	25	34	549
548	23	29	24	34	548
547	23	28	24	33	547
546	23	28	23	32	546
545	22	28	23	31	545
544	22	27	23	31	544
543	22	27	22	30	543
542	21	26	22	29	542
541	21	26	21	28	541
540	20	25	21	28	540
539	20	25	21	27	539
538	19	24	20	26	538
537	19	24	20	25	537
536	18	24	19	24	536
535	18	23	19	23	535
534	17	23	19	22	534
533	17	22	18	22	533
532	16	22	18	21	532
531	16	22	18	20	531

Table 9: Grade 11 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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

Table 9: Grade 11 – Spring 2022 Scale Score to Iowa Percentile Rank (continued)

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