

# Appendix

## Data Sets by Subgroup



# Overall Scores

	2016	2017	2018	2019	16-19 change
Math Achievement %	55	59	59	60	5
Math Learning Gains %	53	58	57	58	5
Math Low 25 Gains %	43	47	47	48	5

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Proficiency, Math Learning Gains, & Low 25%

## Third Grade

	2016	2017	2018	2019	16-19 change
Math Achievement %	62	63	64	67	5
Math Learning Gains %	82	83	85	86	4
Math Low 25 Gains %	80	83	86	86	6

## Fourth Grade

Math Achievement %	59	66	65	69	10
Math Learning Gains %	58	65	62	68	10
Math Low 25 Gains %	39	50	44	49	10

## Fifth Grade

Math Achievement %	59	61	64	66	7
Math Learning Gains %	59	64	61	67	8
Math Low 25 Gains %	47	50	46	53	6

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Proficiency, Math Learning Gains, & Low 25%

## Sixth Grade

	2016	2017	2018	2019	16-19 change
Math Achievement %	52	55	55	57	5
Math Learning Gains %	46	47	44	46	0
Math Low 25 Gains %	37	38	35	39	2

## Seventh Grade

Math Achievement %	57	59	59	58	1
Math Learning Gains %	61	64	62	60	-1
Math Low 25 Gains %	45	47	46	45	0

## Eighth Grade

Math Achievement %	66	64	64	62	-4
Math Learning Gains %	70	70	67	64	-6
Math Low 25 Gains %	61	61	61	56	-5



Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.

# Proficiency, Math Learning Gains, & Low 25%

## Ninth Grade

	2016	2017	2018	2019	16-19 change
Math Achievement %	59	71	66	67	8
Math Learning Gains %	42	47	44	44	2
Math Low 25 Gains %	38	43	43	40	2

## Tenth Grade

Math Achievement %	42	51	42	43	1
Math Learning Gains %	41	51	47	50	9
Math Low 25 Gains %	42	44	46	52	10

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Overall Scores by Race

	2016	2017	2018	2019	16-19 change	
<b>Black</b>	Math Achievement %	39	44	44	46	7
	Math Learning Gains %	44	50	48	49	5
	Math Low 25 Gains %	39	42	41	42	3
<b>Hispanic</b>	Math Achievement %	59	62	62	64	5
	Math Learning Gains %	55	60	59	61	6
	Math Low 25 Gains %	45	50	50	52	7
<b>White</b>	Math Achievement %	72	75	75	76	4
	Math Learning Gains %	62	65	65	66	4
	Math Low 25 Gains %	49	54	53	55	6

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Overall Scores by Subgroup

	2016	2017	2018	2019	16-19 change	
<b>FRL</b>	Math Achievement %	45	50	50	51	6
	Math Learning Gains %	47	53	52	53	6
	Math Low 25 Gains %	41	44	44	45	4
<b>SWD</b>	Math Achievement %	26	29	31	33	7
	Math Learning Gains %	39	44	44	47	8
	Math Low 25 Gains %	35	39	39	42	7
<b>ELL</b>	Math Achievement %	30	39	37	39	9
	Math Learning Gains %	47	56	53	56	9
	Math Low 25 Gains %	45	53	50	53	8

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Third Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	50	51	52	56	6
Math Learning Gains %	82	84	84	87	5
Math Low 25 Gains %	79	85	84	86	7

**Hispanic**

Math Achievement %	64	64	66	69	5
Math Learning Gains %	81	83	87	85	4
Math Low 25 Gains %	79	81	87	85	6

**White**

Math Achievement %	75	75	77	77	2
Math Learning Gains %	83	77	84	87	4
Math Low 25 Gains %	83	73	89	87	4

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.





# Fourth Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	42	50	51	58	16
Math Learning Gains %	45	53	51	59	14
Math Low 25 Gains %	32	38	35	41	9

**Hispanic**

Math Achievement %	62	68	67	71	9
Math Learning Gains %	61	68	64	70	9
Math Low 25 Gains %	43	54	47	53	10

**White**

Math Achievement %	77	81	80	82	5
Math Learning Gains %	71	76	72	78	6
Math Low 25 Gains %	46	64	54	60	14

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Fifth Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	43	48	51	53	10
Math Learning Gains %	52	60	57	60	8
Math Low 25 Gains %	43	48	43	49	5

**Hispanic**

Math Achievement %	62	64	65	68	6
Math Learning Gains %	60	65	61	68	8
Math Low 25 Gains %	49	51	48	56	7

**White**

Math Achievement %	75	75	76	78	3
Math Learning Gains %	65	66	65	72	5
Math Low 25 Gains %	51	52	48	57	6

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Sixth Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	35	39	40	42	7
Math Learning Gains %	36	37	34	35	-1
Math Low 25 Gains %	32	30	29	29	-3

**Hispanic**

Math Achievement %	56	58	57	61	5
Math Learning Gains %	46	47	45	48	2
Math Low 25 Gains %	37	42	39	46	9

**White**

Math Achievement %	71	74	72	74	3
Math Learning Gains %	59	57	55	56	-3
Math Low 25 Gains %	49	51	44	49	0

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Seventh Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	37	40	41	41	4
Math Learning Gains %	47	49	48	48	1
Math Low 25 Gains %	38	37	38	37	-1

**Hispanic**

Math Achievement %	62	64	62	61	-1
Math Learning Gains %	65	68	66	64	-1
Math Low 25 Gains %	50	53	51	50	0

**White**

Math Achievement %	77	79	79	77	0
Math Learning Gains %	74	77	78	75	1
Math Low 25 Gains %	55	60	59	55	0

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Eighth Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	50	48	46	45	-5
Math Learning Gains %	62	63	59	55	-7
Math Low 25 Gains %	57	54	56	49	-8

**Hispanic**

Math Achievement %	71	67	68	65	-6
Math Learning Gains %	74	71	71	67	-7
Math Low 25 Gains %	65	65	64	61	-4

**White**

Math Achievement %	82	82	81	81	-1
Math Learning Gains %	76	76	74	71	-5
Math Low 25 Gains %	63	68	64	62	-1

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Ninth Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	43	57	54	55	12
Math Learning Gains %	34	41	38	39	5
Math Low 25 Gains %	35	39	37	34	-1

**Hispanic**

Math Achievement %	62	74	68	71	9
Math Learning Gains %	43	48	47	46	3
Math Low 25 Gains %	38	43	44	44	6

**White**

Math Achievement %	76	82	77	79	3
Math Learning Gains %	49	53	48	48	-1
Math Low 25 Gains %	46	50	51	47	1

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Tenth Grade: Proficiency, Math Learning Gains, & Low 25% by Race

**Black**

	2016	2017	2018	2019	16-19 change
Math Achievement %	26	34	29	30	4
Math Learning Gains %	31	42	40	44	13
Math Low 25 Gains %	37	39	41	49	12

**Hispanic**

Math Achievement %	47	56	50	49	2
Math Learning Gains %	45	53	51	52	7
Math Low 25 Gains %	44	45	50	53	9

**White**

Math Achievement %	61	67	55	59	-2
Math Learning Gains %	50	58	50	54	4
Math Low 25 Gains %	50	51	46	59	9

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.





# Third Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	53	54	57	59	6
Math Learning Gains %	83	84	85	86	3
Math Low 25 Gains %	81	85	86	85	4

ELL

Math Achievement %	34	51	47	50	16
Math Learning Gains %	86	86	88	87	1
Math Low 25 Gains %	84	86	90	86	2

SWD

Math Achievement %	34	36	36	41	7
Math Learning Gains %	75	75	81	85	10
Math Low 25 Gains %	75	74	81	83	8

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.





# Fourth Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	48	57	58	61	13
Math Learning Gains %	50	59	56	63	13
Math Low 25 Gains %	35	44	40	45	10

ELL

Math Achievement %	32	38	43	48	16
Math Learning Gains %	45	56	52	59	14
Math Low 25 Gains %	38	52	45	52	14

SWD

Math Achievement %	28	34	36	42	14
Math Learning Gains %	39	46	43	52	13
Math Low 25 Gains %	32	39	33	40	8

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Fifth Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	49	52	56	57	8
Math Learning Gains %	55	62	58	62	7
Math Low 25 Gains %	44	49	45	51	7

ELL

Math Achievement %	33	35	35	42	9
Math Learning Gains %	56	61	53	61	5
Math Low 25 Gains %	54	58	51	57	3

SWD

Math Achievement %	25	28	33	35	10
Math Learning Gains %	40	44	45	52	12
Math Low 25 Gains %	36	36	34	46	10

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Sixth Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	40	44	45	46	16
Math Learning Gains %	38	40	37	39	1
Math Low 25 Gains %	33	34	32	35	2

ELL

Math Achievement %	21	26	22	23	2
Math Learning Gains %	35	38	37	44	9
Math Low 25 Gains %	35	38	38	46	11

SWD

Math Achievement %	18	20	23	25	7
Math Learning Gains %	29	32	32	34	5
Math Low 25 Gains %	27	30	30	34	7

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Seventh Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	44	47	48	46	2
Math Learning Gains %	53	56	55	53	0
Math Low 25 Gains %	41	42	43	41	0

ELL

Math Achievement %	27	26	28	24	-3
Math Learning Gains %	50	54	53	50	0
Math Low 25 Gains %	46	46	48	47	1

SWD

Math Achievement %	22	27	26	26	4
Math Learning Gains %	40	48	44	44	4
Math Low 25 Gains %	34	41	39	38	4

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Eighth Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	56	53	54	50	-6
Math Learning Gains %	65	64	63	58	-7
Math Low 25 Gains %	60	56	59	52	-8

ELL

Math Achievement %	36	36	35	33	-3
Math Learning Gains %	66	67	68	64	-2
Math Low 25 Gains %	59	62	63	61	2

SWD

Math Achievement %	31	29	34	31	0
Math Learning Gains %	54	56	55	51	-3
Math Low 25 Gains %	49	52	53	47	-2

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Ninth Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	49	62	59	58	9
Math Learning Gains %	37	42	40	40	3
Math Low 25 Gains %	35	39	40	35	0

ELL

Math Achievement %	33	56	47	51	18
Math Learning Gains %	37	46	47	44	7
Math Low 25 Gains %	37	42	41	44	7

SWD

Math Achievement %	31	49	44	43	12
Math Learning Gains %	30	39	38	34	4
Math Low 25 Gains %	27	34	37	28	1

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.



# Tenth Grade: Proficiency, Math Learning Gains, & Low 25% by Subgroup

FRL

	2016	2017	2018	2019	16-19 change
Math Achievement %	32	41	36	35	3
Math Learning Gains %	36	46	45	48	12
Math Low 25 Gains %	39	42	43	52	13

ELL

Math Achievement %	22	30	23	26	4
Math Learning Gains %	35	53	51	59	24
Math Low 25 Gains %	41	51	50	57	16

SWD

Math Achievement %	21	27	25	27	6
Math Learning Gains %	34	41	39	45	11
Math Low 25 Gains %	36	35	39	49	13

Data Source: Data retrieved from Student Assessment & Research School Grades dashboard on 10/10/19. All data reflects Math Achievement, Math Learning Gains, and Math Low 25 Gains for Traditional BCPS schools only.

