

Kentucky Summative Assessments



Grade 5 Reading Released Items 2023



RE908473955

Directions: Read the passage “Alice Ball.” Then answer the questions.

Alice Ball

by Vashti Harrison

Originally published in 2017



Historic Collection / Alamy Stock Photo

- 1 Both Alice’s mother and grandfather were photographers, and as a child she developed an interest in the chemicals used in photography. She went to college in her hometown of Seattle and earned not one but two degrees, in pharmaceutical chemistry and pharmacy. What an accomplishment for a young woman! At the time, most of the African American population in the city was employed in service professions—cleaning homes or making food, for example. But Alice defied expectations and her circumstances by seeking an education and a career in science.
- 2 In 1915, Alice became the first woman and the first African American to graduate with a master’s degree from the University of Hawaii. While working on her thesis, she developed what would become the leading treatment for leprosy, a serious, incurable disease. She found a way for oil from the seed of the chaulmoogra tree to be absorbed in the bloodstream. This treatment became the primary method that would be used until the 1940s, but for a long time no one knew Alice was the inventor. Less than two years after this discovery, Alice died, and the director of her program took credit for her findings. Alice’s method became known as the Dean Method.



- 3 It wasn't until the 1970s that historians unearthed the truth and worked to ensure that Alice got credit for her important discovery. On February 29, 2000, the University of Hawaii recognized her for her work and dedicated a plaque to her on the only chaulmoogra tree on the school's campus. That day the lieutenant governor of Hawaii declared February 29 Alice Ball Day.

"Alice Ball" from LITTLE LEADERS: BOLD WOMEN IN BLACK HISTORY by Vashti Harrison, Little, Brown & Company. © 2017 Vashti Harrison. Used by permission.



1

RE925356281_3

How does the author support the claim in paragraph 1 that Ball's graduation was "an accomplishment"?

- A** By pointing out how Ball's family supported her
- B** By showing how much Ball cared about science
- C** By explaining how unusual it was for the period
- D** By providing the name of the university where it happened



Released Item Performance

Kentucky Summative Assessments

Spring 2023

Grade 5

Reading

Item: RE925356281

Book Question Number: 1

Standard: RI.5, RI.5.8

Item Type: MC

Key: C

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	43,462	46%	0.46	8%	36%	46%	10%
Gender							
Female	20,937	46%	0.46	8%	36%	46%	10%
Male	22,523	47%	0.47	8%	36%	47%	9%
Ethnicity							
African American	4,418	32%	0.32	12%	42%	32%	14%
American Indian or Alaska Native	51	41%	0.41	10%	41%	41%	8%
Asian	969	56%	0.56	6%	31%	56%	7%
Hispanic or Latino	3,674	37%	0.37	11%	39%	37%	13%
Native Hawaiian or Pacific Islander	78	32%	0.32	10%	49%	32%	9%
White (non-Hispanic)	31,930	49%	0.49	7%	35%	49%	9%
Two or more races	2,340	44%	0.44	8%	38%	44%	10%
Migrant							
Migrant	236	29%	0.29	16%	44%	29%	11%
English Learner							
English Learner	2,482	23%	0.23	15%	44%	23%	18%
Economically Disadvantaged							
Economically Disadvantaged	26,661	39%	0.39	10%	39%	39%	12%
Students with Disabilities							
Students with Disabilities	6,565	28%	0.28	16%	39%	28%	16%



2

RE925355320_2

Which phrase would **best** replace “primary method” as it is used in paragraph 2?

- A** easy system
- B** main process
- C** modern answer
- D** creative solution



Released Item Performance

Kentucky Summative Assessments

Spring 2023

Grade 5

Reading

Item: RE925355320

Book Question Number: 2

Standard: RI.5, RI.5.4

Item Type: MC

Key: B

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	43,458	62%	0.62	7%	62%	11%	20%
Gender							
Female	20,937	57%	0.57	8%	57%	12%	22%
Male	22,519	66%	0.66	6%	66%	11%	17%
Ethnicity							
African American	4,416	51%	0.51	10%	51%	12%	27%
American Indian or Alaska Native	51	61%	0.61	6%	61%	8%	25%
Asian	969	64%	0.64	5%	64%	12%	19%
Hispanic or Latino	3,674	56%	0.56	9%	56%	13%	23%
Native Hawaiian or Pacific Islander	78	47%	0.47	6%	47%	15%	31%
White (non-Hispanic)	31,928	64%	0.64	6%	64%	11%	18%
Two or more races	2,340	60%	0.60	7%	60%	12%	21%
Migrant							
Migrant	236	44%	0.44	14%	44%	13%	29%
English Learner							
English Learner	2,482	46%	0.46	11%	46%	13%	31%
Economically Disadvantaged							
Economically Disadvantaged	26,657	58%	0.58	8%	58%	12%	22%
Students with Disabilities							
Students with Disabilities	6,562	47%	0.47	10%	47%	14%	29%



3

RE925355544_4

In paragraph 3, what does the phrase “unearthed the truth” suggest about the historians?

- A** They graduated at the same time as Alice Ball.
- B** The information they found was located in books.
- C** They had worked in the same department as Alice Ball.
- D** The information they found had been hidden for a long time.



Released Item Performance

Kentucky Summative Assessments

Spring 2023

Grade 5

Reading

Item: RE925355544

Book Question Number: 3

Standard: RI.5, RI.5.4

Item Type: MC

Key: D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	43,458	84%	0.84	4%	5%	8%	84%
Gender							
Female	20,936	85%	0.85	3%	4%	8%	85%
Male	22,520	83%	0.83	4%	5%	8%	83%
Ethnicity							
African American	4,416	74%	0.74	7%	7%	12%	74%
American Indian or Alaska Native	51	84%	0.84	4%	4%	8%	84%
Asian	969	89%	0.89	2%	4%	5%	89%
Hispanic or Latino	3,674	80%	0.80	5%	6%	9%	80%
Native Hawaiian or Pacific Islander	78	86%	0.86	4%	3%	8%	86%
White (non-Hispanic)	31,928	86%	0.86	3%	4%	7%	86%
Two or more races	2,340	82%	0.82	3%	5%	9%	82%
Migrant							
Migrant	236	73%	0.73	9%	9%	9%	73%
English Learner							
English Learner	2,482	70%	0.70	9%	8%	13%	70%
Economically Disadvantaged							
Economically Disadvantaged	26,658	80%	0.80	5%	6%	10%	80%
Students with Disabilities							
Students with Disabilities	6,563	68%	0.68	9%	9%	14%	68%



4

RE925354732_4

Which detail from paragraph 2 **best** supports the idea that the director of Ball's program was dishonest?

- A** “absorbed in the bloodstream”
- B** “used until the 1940s”
- C** “was the inventor”
- D** “took credit for her findings”



Released Item Performance

Kentucky Summative Assessments

Spring 2023

Grade 5

Reading

Item: RE925354732

Book Question Number: 4

Standard: RI.5, RI.5.1

Item Type: MC

Key: D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	43,458	76%	0.76	7%	10%	6%	76%
Gender							
Female	20,934	77%	0.77	7%	9%	6%	77%
Male	22,522	76%	0.76	8%	10%	7%	76%
Ethnicity							
African American	4,418	65%	0.65	10%	16%	9%	65%
American Indian or Alaska Native	51	82%	0.82	6%	4%	8%	82%
Asian	969	81%	0.81	6%	7%	6%	81%
Hispanic or Latino	3,674	71%	0.71	8%	12%	9%	71%
Native Hawaiian or Pacific Islander	78	76%	0.76	1%	10%	13%	76%
White (non-Hispanic)	31,927	79%	0.79	7%	9%	6%	79%
Two or more races	2,339	75%	0.75	9%	10%	7%	75%
Migrant							
Migrant	236	64%	0.64	8%	19%	8%	64%
English Learner							
English Learner	2,482	57%	0.57	12%	19%	12%	57%
Economically Disadvantaged							
Economically Disadvantaged	26,657	72%	0.72	9%	12%	8%	72%
Students with Disabilities							
Students with Disabilities	6,565	62%	0.62	12%	17%	10%	62%



5

RE925354489_4,2

Which details from the passage **best** support the idea that learning was important to Ball? Select **two** correct answers.

- A** “the chemicals used in photography” (paragraph 1)
- B** “earned not one but two degrees” (paragraph 1)
- C** “employed in service professions” (paragraph 1)
- D** “graduate with a master’s degree” (paragraph 2)
- E** “the director of her program” (paragraph 2)



Released Item Performance

Kentucky Summative Assessments

Spring 2023

Grade 5

Reading

Item: RE925354489

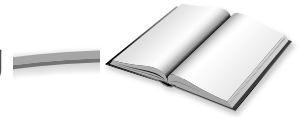
Book Question Number: 5

Standard: RI.5, RI.5.1

Item Type: MS

Key: B,D

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Score Percentages		
				Score 0 (%)	Score 1 (%)	Score 2 (%)
All Students	43,351	80.6%	1.61	7%	24%	69%
Gender						
Female	20,886	80.5%	1.61	7%	25%	68%
Male	22,463	80.7%	1.61	8%	23%	69%
Ethnicity						
African American	4,393	73.5%	1.47	11%	32%	58%
American Indian or Alaska Native	51	81.4%	1.63	8%	22%	71%
Asian	968	82.2%	1.64	8%	20%	72%
Hispanic or Latino	3,661	75.1%	1.50	10%	30%	60%
Native Hawaiian or Pacific Islander	78	77.6%	1.55	4%	37%	59%
White (non-Hispanic)	31,865	82.2%	1.64	7%	22%	71%
Two or more races	2,333	80.3%	1.61	8%	24%	68%
Migrant						
Migrant	233	74.5%	1.49	10%	30%	59%
English Learner						
English Learner	2,464	66.2%	1.32	15%	38%	47%
Economically Disadvantaged						
Economically Disadvantaged	26,574	77.4%	1.55	9%	27%	64%
Students with Disabilities						
Students with Disabilities	6,518	67.2%	1.34	15%	36%	49%



6

RE925355641_1

How does the illustration support the reader's understanding of the passage?

- A** By showing what Ball looked like at her graduation
- B** By demonstrating how Ball developed her medicine
- C** By showing the university from which Ball graduated
- D** By demonstrating how Ball was trained in the sciences



Released Item Performance

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Spring 2023

Grade 5

Reading

Item: RE925355641

Book Question Number: 6

Standard: RI.5, RI.5.7

Item Type: MC

Key: A

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	43,456	60%	0.60	60%	15%	11%	14%
Gender							
Female	20,934	62%	0.62	62%	14%	10%	14%
Male	22,520	59%	0.59	59%	16%	11%	15%
Ethnicity							
African American	4,416	45%	0.45	45%	21%	15%	19%
American Indian or Alaska Native	51	61%	0.61	61%	12%	12%	16%
Asian	968	66%	0.66	66%	12%	9%	13%
Hispanic or Latino	3,674	50%	0.50	50%	19%	14%	17%
Native Hawaiian or Pacific Islander	78	49%	0.49	49%	17%	14%	21%
White (non-Hispanic)	31,928	63%	0.63	63%	14%	10%	13%
Two or more races	2,339	56%	0.56	56%	15%	12%	17%
Migrant							
Migrant	236	48%	0.48	48%	19%	15%	18%
English Learner							
English Learner	2,482	36%	0.36	36%	24%	19%	21%
Economically Disadvantaged							
Economically Disadvantaged	26,657	53%	0.53	53%	17%	13%	17%
Students with Disabilities							
Students with Disabilities	6,564	48%	0.48	48%	18%	16%	19%



7

RE925355117_3

What relationship between Ball's childhood and her later life is suggested in the passage?

- A** She attended the same university her family members had.
- B** She worked as a photographer in addition to her job as a scientist.
- C** The chemicals used by her family members sparked her curiosity about science.
- D** The place where she grew up provided access to the trees used in her leprosy treatment.



Released Item Performance

Kentucky Summative Assessments

Spring 2023

Grade 5

Reading

Item: RE925355117

Book Question Number: 7

Standard: RI.5, RI.5.3

Item Type: MC

Key: C

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	43,455	57%	0.57	7%	20%	57%	17%
Gender							
Female	20,935	58%	0.58	6%	19%	58%	17%
Male	22,518	56%	0.56	7%	20%	56%	17%
Ethnicity							
African American	4,415	47%	0.47	10%	24%	47%	19%
American Indian or Alaska Native	51	61%	0.61	6%	18%	61%	16%
Asian	969	63%	0.63	4%	17%	63%	16%
Hispanic or Latino	3,673	53%	0.53	6%	23%	53%	17%
Native Hawaiian or Pacific Islander	78	59%	0.59	4%	23%	59%	14%
White (non-Hispanic)	31,927	59%	0.59	6%	18%	59%	17%
Two or more races	2,340	54%	0.54	7%	21%	54%	17%
Migrant							
Migrant	236	46%	0.46	10%	25%	46%	19%
English Learner							
English Learner	2,479	43%	0.43	8%	28%	43%	21%
Economically Disadvantaged							
Economically Disadvantaged	26,656	52%	0.52	8%	22%	52%	18%
Students with Disabilities							
Students with Disabilities	6,563	46%	0.46	10%	23%	46%	20%



8

RE925354993_3

Which sentence **best** states the central idea of the passage?

- A** Alice Ball earned several university degrees.
- B** Alice Ball researched the chaulmoogra tree.
- C** Alice Ball was a scientist who discovered an important medicine.
- D** Alice Ball was the daughter and granddaughter of photographers.



Released Item Performance

Kentucky Summative Assessments

Spring 2023

Grade 5

Reading

Item: RE925354993

Book Question Number: 8

Standard: RI.5, RI.5.2

Item Type: MC

Key: C

Student Group	Number of Students	Percent Correct	Average Item Score	Item Breakout Statistics - Answer Choice Options			
				A (%)	B (%)	C (%)	D (%)
All Students	43,454	81%	0.81	8%	5%	81%	6%
Gender							
Female	20,932	82%	0.82	8%	4%	82%	6%
Male	22,520	79%	0.79	9%	6%	79%	6%
Ethnicity							
African American	4,417	71%	0.71	12%	8%	71%	10%
American Indian or Alaska Native	51	82%	0.82	10%	8%	82%	0%
Asian	969	87%	0.87	5%	4%	87%	4%
Hispanic or Latino	3,673	77%	0.77	9%	7%	77%	7%
Native Hawaiian or Pacific Islander	78	71%	0.71	17%	6%	71%	6%
White (non-Hispanic)	31,926	82%	0.82	8%	4%	82%	5%
Two or more races	2,338	80%	0.80	9%	5%	80%	6%
Migrant							
Migrant	236	63%	0.63	12%	8%	63%	17%
English Learner							
English Learner	2,481	65%	0.65	14%	9%	65%	12%
Economically Disadvantaged							
Economically Disadvantaged	26,654	76%	0.76	10%	6%	76%	8%
Students with Disabilities							
Students with Disabilities	6,564	62%	0.62	13%	10%	62%	15%



Investing in Kentucky's Future, One Student at a Time