

**CHAPTER 1 – Revising and Editing Questions**

Page 3 - Part A Questions

1. Sentence Example: D
2. Paragraph Example: F

Page 4 - Part B Questions

1. A
2. G

Page 7 -Revising and Editing:  
Why Clarity Matters

1. Meaning: The food causes gas.  
Intention: Gas and food available.
2. Meaning: Church kills.  
Intension: Church helps.
3. Meaning: Some people don't know they have kids.  
Intention: Some people don't know there is a nursery.
4. Meaning: Unclear: Is farmer or dog named Bingo?  
Intention: Dog is Bingo.
5. Meaning: Woman has thick legs and large drawers.  
Intention: Dresser has thick legs and large drawers.

Page 9 - Dealing with Revising & Editing Questions

Patrice

Page 12 - Revising & Editing:  
Punctuation Drill

1. Because of the nasty weather outside, Hailey, Lucy, and Rebecca decided to stay indoors and watch a movie.
2. They argued over which movie to watch; (a period would also be fine) While Rebecca wanted to watch a comedy, Lucy and Hailey wanted to watch a horror movie.
3. They decided to rent three movies: Terrifying Clowns from Outerspace, Come Dine with Me, and Love Letters.
4. However, before they could start watching the first movie, the power went out.
5. "It's such a shame!" Lucy exclaimed once she realized the day's plans were ruined.

Page 13-14 - Revising & Editing:

Punctuation Practice

1. C
2. F
3. B
4. F
5. A
6. G

Page 16 - Revising & Editing:  
Verb Agreement

- Idaniel
1. The US is...
  2. The newly elected President, to the dismay of her opponents, HAS argued...

1. are
2. sleeps
3. enjoys
4. brushes
5. votes
6. listens

Page 17 - Revising & Editing:  
Verb Tense

Angeline

Page 18 - Revising & Editing:  
Verb Tense

1. In March 2006, Australian Nathan Deakes BECAME
2. In an interview last week, Sheik Reda Shata DISCUSSED
3. Next Thursday, the members of the art collective WILL PREMIERE
4. will be
5. ate
6. stated/was
7. chose

Page 19-20 - Revising & Editing:  
Verbs

1. C
2. E
3. C
4. F
5. C
6. E
7. D
8. G

Page 21 - Revising & Editing:  
Pronoun Agreement

Daniel

Page 22 - Revising & Editing:  
Pronoun Agreement

- He/She – Singular  
His/Hers – Singular  
They – Plural  
Them – Plural  
No One – Singular  
Everybody – Singular  
You – Both  
Some – Plural  
Each – Singular  
Few – Plural  
Either – Singular  
Yours – Both

It – Singular  
Its – Singular

Page 23 - Revising & Editing:  
Pronoun Agreement

1. B
2. H
3. B
4. G

Page 24 - Revising & Editing:  
Comparisons

Daniel

Page 25 - Revising & Editing:  
Comparisons

- Yes; No; Can't compare story to lovers.
1. Zion is a bigger fan of the Blue Devils than Tre is.
  2. Just like Susan B Anthony's, Elizabeth Cady Stanton's contributions to the women's suffrage movement have been praised.
  3. Like Mark Twain, Charles Dickens has been praised for his timeless novels that are still read years after his death.
  4. The sentence is correct.
  5. An airplane can fly approximately twelve times faster than a car can drive.

Page 26 - Revising & Editing:  
Comparisons

1. D
2. H
3. C
4. E

Page 27 - Revising & Editing:  
Lists

Daniel & Patrice

Page 28 - Revising & Editing:  
Lists

1. ...certain areas like innovativeness, intelligence, and the ability to computer numbers quickly.
2. Raymond doubts the proposal's fairness, Blair disputes its effectiveness, and I question its legality.
3. ...Dara roasted a chicken, Ernie peeled potatoes, and Jen baked a cake.
4. At the garden store, Sandhaya bought pink plastic flamingos, ceramic gnomes, and impulsively added a stone mermaid. OR At the garden store,

Sandhya bought pink plastic flamingos, ceramic gnomes, and a stone mermaid, which she impulsively added to her cart.

5. ...reading old magazines, wiggling on the hard plastic chairs, and eating stale cookies from the vending machine.

Page 29 - Revising & Editing:  
Lists

1. A
2. H
3. D
4. F

Page 30 - Revising & Editing:  
Modifiers

Daniel

Page 31 - Revising & Editing:  
Modifiers

1. Dressed in an unappealing leather shirt and baggy jeans, he took the microphone from Taylor Swift during her acceptance speech and began to rant about how great Beyonce's video was, displaying his disrespectful and egotistical attitude.
2. As she walked into the café, Lorna received a plate of french fries at her favorite table.
3. Between the two horses, Chocolate was better at performing jumps.
4. She served hot chocolate in mugs to the children.

Page 32-33 - Revising & Editing:  
Modifiers

1. A
2. G
3. A
4. F
5. C
6. F

Page 34- Revising & Editing: Run-Ons & Fragments

Daniel

Page 35 - Revising & Editing:  
Run-Ons & Fragments

1. Incomplete
2. Run-On
3. Run-On
4. Run-On
5. Complete
6. Run-On
7. Complete
8. Complete

9. Incomplete
10. Incomplete

Page 36-37 - Revising & Editing:  
Run-Ons & Fragments

1. C
2. G
3. B
4. H
5. D
6. F

Page 38-42 - Revising & Editing:  
Part A Practice

1. C
2. G
3. C
4. F
5. B
6. F
7. D
8. E
9. A
10. F
11. A
12. F
13. D
14. G
15. B
16. F
17. B

Page 43 - Revising & Editing:  
Revision

Example: A

Page 44 - Revising & Editing:  
Supporting Points

Example: A

Page 45 - Revising & Editing:  
Transitions

Example: A

Page 46 - Revising & Editing:  
Organization

Example: A

Page 47-48 - Revising & Editing:  
Part A Revisions

1. A
2. H
3. D
4. H
5. C

Page 50-51 - Revising & Editing:  
Part B Practice (The Stamp Act)

1. C
2. G
3. A
4. H
5. D
6. E

Page 52-53 - Revising & Editing:  
Part B Practice (Etiquette...)

1. C
2. F
3. A
4. E

5. B  
6. H  
Page 54-55 - Revising & Editing:  
Part B Practice (Antarctic  
Penguins)

1. C
2. F
3. B
4. H
5. B
6. E

Page 56-57 - Revising & Editing:  
Part B Practice (Benjamin  
Franklin)

1. B
2. E
3. B
4. H
5. C
6. E

Page 58-59 - Revising & Editing:  
Part B Practice (The New  
Columbus)

1. A
2. F
3. B
4. F
5. D
6. E

Page 60-61 - Revising & Editing:  
Part B Practice (The Story of  
Germ Life)

1. D
2. F
3. A
4. G
5. D
6. G

Page 62-63 - Revising & Editing:  
Part B Practice (The Importance of  
Primary Sources)

1. D
2. G
3. A
4. F
5. C
6. H

## CHAPTER 1 – PRACTICE

Page 66-71 - Revising & Editing:  
Practice

1. D
2. E
3. A
4. F
5. B
6. F
7. B
8. H
9. C
10. G
11. B
12. H
13. D
14. G
15. B
16. G
17. C
18. G

19. A  
20. G  
21. B  
22. E  
Page 72-73 - Revising & Editing:  
Practice (The Mind in the Making)

1. D
2. E
3. B
4. G
5. A
6. G

Page 74-75 - Revising & Editing:  
Practice (The Hacker Crackdown)

1. A
2. F
3. C
4. H
5. A
6. F

Page 76-77 - Revising & Editing:  
Practice (Thomas Jefferson)

1. B
2. E
3. B
4. G
5. A
6. H

## CHAPTER 2 – Reading Comprehension

Page 82 - Reading  
Comprehension: Introduction

1. Yes
2. No
3. No
4. No
5. Yes
6. No
7. No
8. No
9. Yes
10. No

Page 83-84 - Reading  
Comprehension: Drill

1. 2
2. 4
3. 2
4. 3
5. 2
6. 2
7. 2
8. 2
9. 4
10. 3
11. 3
12. 2

Page 86 - Reading  
Comprehension: Paraphrasing  
Drill

1. Trees are becoming more important in our everyday lives and humans are paying more attention to them.
2. How rats get into buildings and what to do to avoid that.

3. Pony Express was the first mail system and it was important because it connected the country like never before.

Page 87 - Reading  
Comprehension: Main Idea

Dan

Page 88 - Reading  
Comprehension: Main Idea Drill

Eiffel Tower

1. Supporting
  2. Main
  3. Supporting
- New York
1. Supporting
  2. Main
  3. Supporting
- Artisans
1. Supporting
  2. Supporting
  3. Main

Page 89 - Reading  
Comprehension: Main Idea Drill

1. There was not one common religion in ancient Greece, but rather many that were dependent on where one lived and how one passed one's days.
2. Describing the properties and classification of an oyster.
3. There is an increased interest in an outdoor life which has brought about health benefits.

Page 90 - Reading  
Comprehension: Inferences

1. (type of job) Office job that pays good money.
2. (zoe) A dog.
3. (Miranda) He is her husband.

Page 92-93 - Reading  
Comprehension: Inferences

1. (Lucy's mood) Sad
2. (Lucy's plans) Picnic
3. (Tim) The Lieutenant's son
4. (Lieutenant's mood) Upset
5. (Relationship) Gregorio owes Amos money.
6. (fall to the floor) He thinks something happened to his son.
7. (attitude) He loves his son.

Page 95-96 - Reading  
Comprehension: Author's Purpose  
Drill

1. (By 1650...) C
2. (The Pilgrims...) A

3. (Napoleon...) C  
4. (He particularly...) A

Page 102 - Reading  
Comprehension: Passage Map  
Drill

1. Role of religion
2. lack of innovations, early 1900s
3. Amelia's family farm
4. None - questions you answer at the end
5. Zahir's best friend
6. United States Postal Service
7. Current role of libraries
8. Kangaroo rat
9. Marigold planted
10. Architecture in France, 1600s

Page 105 - Reading  
Comprehension: Questions

1. BP
2. D
3. D
4. D
5. D
6. D

Page 106 - Reading  
Comprehension: Questions Drill

1. How would the author characterize the effects of the eruption of Mt. Vesuvius?
2. What does the author's statement show about the challenges King faced as he marched?
3. What did Susan B Anthony do in her fight for women's right to vote?
4. Which sentence provides evidence to support that Da Vinci created new scientific methods?
5. What does the word monotonous show?

Page 108 - Reading  
Comprehension: Answers Drill

1. C (example)
2. D
3. C
4. E
5. C
6. A
7. B
8. F

Page 109 - Reading  
Comprehension: Answers Drill

1. B
2. C

Page 110-111 - Reading  
Comprehension: Drill (Woolly  
Mammoth)

1. Main Idea

Prediction: The Jarkov Mammoth case  
2. What does the author imply about the Taimyr Peninsula? Prediction: Cold  
3. The Jarkov mammoth is special because... Prediction: they may remain intact, from the animal's skin to its bones  
4. Why do scientists think the Jarkov mammoth's remains may keep the animal's flesh and skin? Prediction: Hair frozen in the ice around the body  
5. What dilemma are scientists facing, according to the information in lines 38 to 41? Prediction: Whether modern should bring extinct species back to life  
6. Which of the following statements about the Jarkov mammoth is actually said or suggested in the text? Prediction: eliminate any answer choice explicitly mentioned.

Page 112 - Reading  
Comprehension: Drill

1. D
2. F
9. B
10. H
11. C
12. E

Page 113 - Reading  
Comprehension: Drill (Wright  
Brothers)

1. C
2. E
3. B
4. G
5. D

## CHAPTER 3 – Reading Comprehension Passage Practice

Page 117-118 - Reading  
Comprehension: Practice (William  
Penn)

1. A
2. G
3. B
4. H
5. C
6. G

Page 119-120 - Reading  
Comprehension: Practice (Yoga)

1. D
2. E
3. B

- F
- B
- H
- B

Page 121-123 - Reading  
Comprehension: Practice  
(Widening Relations)

- C
- G
- A
- F
- C
- H
- A

Page 124-125 - Reading  
Comprehension: Practice (Our  
Changing Planet)

- D
- G
- D
- H
- B
- H
- C

Page 126-127 - Reading  
Comprehension: Practice (Dreams)

- A
- G
- C
- F
- B
- E
- D

Page 129-131 - Reading  
Comprehension: Practice (Space  
Race)

- D
- E
- C
- H
- B
- G
- D
- F

Page 132-133 - Reading  
Comprehension: Practice (Pony  
Express)

- D
- E
- D
- F
- A
- G

Page 134-136 - Reading  
Comprehension: Practice  
(Illiteracy)

- C
- E
- D
- H
- B
- E

Page 137-139 - Reading  
Comprehension: Drill  
(Brothers Grimm)

- C
- E

- B
- H
- A
- H
- B

Page 140-142 - Reading  
Comprehension: Practice (Fossil  
Food)

- C
- G
- A
- G
- B
- F
- D

Page 143-144 - Reading  
Comprehension: Practice (Liberty  
Bell)

- C
- F
- B
- G
- A

Page 145-147 - Reading  
Comprehension: Practice (Slavery)

- C
- F
- D
- F
- B
- G
- A

Page 148-150 - Reading  
Comprehension: Practice (The  
Titanic)

- A
- H
- A
- G
- C
- H

Page 152-154 - Reading  
Comprehension: Practice (The  
Woman with the Fan)

- C
- G
- C
- G
- B
- E

Page 155-156 - Reading  
Comprehension: Practice (Lost  
Face)

- D
- G
- B
- H
- A
- F

Page 157-159 - Reading  
Comprehension: Practice (The  
Financier)

- B
- F
- A
- H
- B

- F

Page 160-162 - Reading  
Comprehension: Practice (Emma)

- B
- F
- D
- H
- C
- G

Page 163-166 - Reading  
Comprehension: Practice (The  
Tell-Tale Heart)

- B
- F
- A
- H
- C
- E
- B
- F
- A
- G

Page 167-169 - Reading  
Comprehension: Practice (Sister  
Carrie)

- C
- E
- B
- G
- D
- G

Page 170-172 - Reading  
Comprehension: Practice (The  
Pavilion)

- A
- G
- B
- E
- D
- F

Page 173 - Reading  
Comprehension: Poetry

Jason

Page 174 - Reading  
Comprehension: Poetry

- Laura and wind
- temperature outside and temperature in a frying pan

Page 178-179 - Reading  
Comprehension: Practice (The  
Poplar)

- D
- E
- B
- F
- A

Page 180-181 - Reading  
Comprehension: Practice (The  
Wild Swans)

- B
- E
- D
- F
- B

- E

Page 182-183 - Reading  
Comprehension: Practice (The  
Spanish Dancer)

- D
- E
- B
- H
- B
- G

Page 184-185 - Reading  
Comprehension: Practice (The  
Wood Pile)

- A
- G
- A
- G
- A
- F

Page 186-187 - Reading  
Comprehension: Practice (The  
House with Nobody in It)

- C
- F
- A
- H
- A
- F

Page 188-189 - Reading  
Comprehension: Practice (The  
Passionate Shepherd)

- A
- F
- D
- G
- C
- F

Page 190-191 - Reading  
Comprehension: Practice (The Old  
Year)

- B
- H
- C
- E
- C
- H

#### CHAPTER 4 – Arithmetic Foundations

Page 194 - Foundations &  
Definitions: Introduction

Integer: a number that doesn't  
contain a fraction or a  
decimal; True, True

Whole: non-negative number  
with no fraction or  
decimal

Positive/Negative/Neutral:  
Positive numbers are  
larger than 0, and  
negative numbers are  
smaller than 0. Zero is  
the only neutral number,  
meaning it's neither  
positive nor negative; 2,  
-2, 0

Even/Odd: An even number is  
an integer divisible by 2,  
and an odd number is an

integer not divisible by 2;  
False, True

Consecutive: numbers that  
follow one another in a  
defined sequence

Sum/Difference: the sum and  
difference are the  
solutions to addition and  
subtraction problems,  
respectively; 12, 2

Product/Quotient: the product  
and quotient are the  
solutions to  
multiplication and  
division problems,  
respectively; 8, 2

Remainder: the integer left over  
after a division problem;  
3, 2

Divisor: a number by which  
another number is to be  
divided

Dividend: a number to be  
divided by another  
number

Inclusive/Exclusive: inclusive  
includes the first and last  
items in a list, while  
exclusive excludes those  
items

Page 195 - PEMDAS: Introduction

- 20
- 11

Page 196 - PEMDAS: Drill

- 4
- 9
- 75
- 27
- 150
- 5
- 26
- 15

Page 197 - Definitions &  
PEMDAS: SHSAT Question  
Practice

- C
- G
- B
- G
- C
- F
- B
- H

Page 198 - Divisibility:  
Introduction

- Yes
- No
- Yes
- No
- No

Page 199 - Divisibility: Drill

- 54, 162, 246, 342
- 108, 243, 270, 621
- None
- 66, 282, 294, 522
- 84
- 126
- 148
- 340

Page 201 - Number Line:

Introduction

585 feet

Page 203 - Number Line: SHSAT Question Practice

1. D
2. F
3. B
4. H
5. A
6. F

Page 204-205 - Negative Number Operations: Introduction

26  
-63  
-3

Page 206 - Negative Number Operations: Drill

1. 6
2. -59
3. -8
4. 47
5. 51
6. 26
7. -96
8. -66
9. 150
10. -18
11. -2
12. -63
13. 2

Page 207 - Arithmetic Foundations: Drill

1. 13
2. -12
3. 73
4. 0
5. 18
6. -1
7. -60
8. 13
9. 28
10. 480
11. 1, 2  
1, 2, 3, 4, 6, 12  
1, 3, 9

Page 208 - Factors: Introduction

1, 2, 3, 4, 6, 8, 12, 24

Page 210 - Factors: Drill

1. 1, 2, 3, 4, 6, 12
  2. 1, 2, 3, 4, 6, 9, 12, 18, 36
  3. 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
  4. 1, 2, 4, 5, 10, 20, 25, 50, 100
  1.  $2 \times 2 \times 2 \times 2 \times 2$
  2.  $2 \times 2 \times 2 \times 3 \times 5$
  3.  $2 \times 3 \times 5 \times 5$
  4.  $2 \times 2 \times 2 \times 2 \times 3 \times 5$
- Prime: 11, 73, 101, 127, 179, 191, 199

Page 211 - Greatest Common Factor: Introduction

9

Page 212 - Greatest Common

Factor: Drill

1. 8
2. 20
3. 12
4. 6
5. 15
6. 9

Page 213 - Multiples: Introduction

24

Page 214 - Multiples: Drill

1. 36
2. 60
3. 48
4. 60
5. 40
6. 14
7. 72
8. A
9. B

Page 216 - Factors & Multiples: Drill

- LCM
1.  $2 \times 2 \times 5 \times 7 \times 7 \times 11$
  2.  $2 \times 3 \times 5 \times 7 \times 7 \times 11$
  3.  $2 \times 2 \times 2 \times 2 \times 5 \times 5 \times 7$
  4.  $3 \times 3 \times 5 \times 5 \times 7 \times 11 \times 13$
- GCF
1.  $3 \times 5 \times 11$
  2.  $2 \times 7 \times 7$
  3. 3
  4.  $7 \times 13$

Page 217 - Factors & Multiples: SHSAT Question Practice

1. C
2. H
3. B
4. F
5. D
6. F
7. C
8. H
9. C

Page 219 - SHSAT Strategy: Plugging In Introduction

B

Page 220-221 - Plugging in: SHSAT Question Practice

1. D
2. E
3. B
4. G
5. D
6. H
7. B
8. E
9. C
10. E
11. B
12. G
13. D
14. G
15. A
16. F
17. D

CHAPTER 4 – PRACTICE

Page 224 - Arithmetic: Practice

1. Positive
2. 1
3. <
4. Negative
5. 7
6. | |
7. Itself
8. False
9. No
10. False
11. True

Page 225-230 - Arithmetic Practice

1. B
2. E
3. A
4. F
5. A
6. F
7. D
8. F
9. C
10. H
11. C
12. -5
13. C
14. G
15. A
16. G
17. B
18. G
19. B
20. E
21. D
22. F
23. A
24. 29
25. B
26. G
27. 5
28. E
29. B
30. G
31. A
32. F
33. C
34. H
35. C
36. F
37. C
38. H
39. D
40. 19
41. 3
42. F
43. A
44. H
45. C
46. F
47. D
48. G
49. A
50. G

CHAPTER 5 – Fractions & Decimals

Page 232-233 - Fractions: Introduction

- Example 1: 2  
1  
1/2  
2
- Example 2: 4  
2  
2/4

4

Page 234 - Reducing Fractions: Introduction

D

Page 235 - Reducing Fractions: Drill

1. C
2. A
3. C
4. C
5. A
6. C
7. B

Page 236 - Adding & Subtracting Fractions: Introduction

17/36

Page 237 - Adding & Subtracting Fractions: Drill

1. 7/9
2. 1/2
3. 31/10
4. 21/88
5. 7/5
6. 47/78
7. 17/21

Page 238 - Mixed Numbers: Introduction

19/6

Page 239 - Mixed Numbers: Drill

1. 51/8
2. 78/7
3. 49/4
4. 61/9
5. 77/5
6. 37/12
1. 1 6/7
2. 5 1/3
3. 5 1/6
4. 14 2/5
5. 20 1/4
6. 14 3/7

Page 240 - Adding & Subtracting Fractions: Drill

1. B
2. F

Page 241 - Multiplying Fractions: Introduction

1 85/91  
25

Page 242 - Multiplying Fractions: Drill

1. 10/17
2. 3/8
3. 140/81
4. 943/35
5. 16/9
6. 1
7. 169/20

Page 243 - Dividing Fractions: Introduction

4/3

Page 244 - Dividing Fractions: Drill

1. 21/5
2. 16/77
3. 256/25
4. 92/27
5. 21/20
6. 2
7. 25/108

Page 245-246 - Fractions: SHSAT Question Practice

1. D
2. H
3. D
4. 123
5. A
6. G
7. D
8. F
9. C
10. G
11. A
12. G

Page 248-249 - Decimals: Drill

1. 5 thousands  
7 hundreds  
0 tens  
9 ones  
five thousand, seven hundred nine
2. 2 hundreds  
0 tens  
8 ones  
9 tenths  
1 hundredth  
two hundred eight and ninety one hundredths
3. 7 thousands  
4 hundreds  
9 tens  
2 ones  
6 tenths  
5 hundredths  
1 thousandth  
seven thousand, four hundred ninety two and six hundred fifty one thousandths

1. 400
2. 0.4
3. 400
4. 4
5. 900
6. 0.09
7. 900
8. 90
9. 946
10. 7,301.7
11. 8,960.082
12. 302.607
13. 726.045

Page 250 - Rounding Decimals: Introduction

300  
600

Page 251 - Rounding Decimals: Drill

1. 34,797.29
2. 501
3. 298.0
4. 460.000

5. 150
6. 73.0
7. 2,116.7
8. 15,497.63
9. 811.3
10. 376.9

Page 252 - Adding & Subtracting  
Decimals: Introduction

16.93

Page 253 - Adding & Subtracting  
Decimals: Drill

1. 3556.31
2. 1217.967
3. 23.12
4. 137.302
5. 140.15
6. 40.909
7. 217.15
8. 839.7
9. 230
10. 477.2
11. 9180

Page 254 - Multiplying Decimals:  
Introduction

367.537

Page 255 - Multiplying Decimals:  
Drill

1. 6828.621
2. 3.432
3. 618.375
4. 89670.5
5. 2.759
6. 19.836
7. 332.34

Page 256 - Dividing Decimals:  
Introduction

4.3

Page 257 - Dividing Decimals:  
Drill

1. 14.6
2. 29.8
3. 17
4. 59.9
5. 81.6
6. 32
7. 9.65

Page 259 - Decimal-Fraction  
Conversion: Drill

1. 0.875
2. 0.9
3. 14.4
4. 3.5625
5. 0.2625
6. 7.681(81 repeating)
7. 0.68 (8 repeating)
8. -0.64
1.  $-\frac{3}{4}, -0.2, 0.75, 1, 4$
2.  $-\frac{7}{8}, -\frac{5}{6}, -0.375, \frac{3}{4}, \frac{7}{8}$
3.  $-0.25, -\frac{1}{5}, 0.5, \frac{2}{3}, 0.7$
4.  $-\frac{4}{5}, -0.67, \frac{2}{3}, 0.75, \frac{4}{5}$
5.  $-\frac{2}{8}, -0.2, 1.1, \frac{6}{5}, 1.4$

Page 260-261 - Decimals: Practice

1. B
2. H
3. B
4. H
5. B
6. E
7. 4
8. G
9. D
10. E
11. C
12. E
13. B
14. G

### CHAPTER 5 – PRACTICE

Page 264 - Fractions & Decimals:  
Practice

1.  $\frac{1}{4}$
2.  $\frac{33}{7}$
3.  $\frac{29}{45}$
4.  $\frac{2}{3}$
5.  $\frac{23}{15}$
6.  $-\frac{28}{9}$
7. 1
8.  $\frac{10}{91}$
9.  $\frac{60}{7}$
10. 3
11.  $\frac{27}{35}$
12.  $\frac{5}{98}$
13. 78,401.92
14. 18.8106
15. 36.0938
16. 0.1455
17. 0.0056

Page 265-267 Fractions &  
Decimals: Practice

1. D
2. G
3. C
4. F
5. C
6. H
7. A
8. F
9. B
10. G
11. B
12. F
13. D
14. 32
15. B
16. H
17. A
18. G
19. D
20. H
21. D
22. E
23. B
24. F

### CHAPTER 6 – Ratios & Proportional Relationships

Page 271-272 - Ratios: Drill

1. 5:4
2. 4:11
3. 1:3
4. 4:9
5. 12:53
6. 15:38
- 1a. 9:5
- 1b. 20:19

- 1c. 19:12
2. English

Page 273 - Proportions:  
Introduction

\$17

Page 274 - Proportions: Drill

1. False
2. True
3. 84
4. 6
5. 116

Page 275-276 - Ratios &  
Proportions: SHSAT Question  
Practice

1. C
2. G
3. B
4. F
5. C
6. F
7. D
8. G
9. C
10. E
11. 370
12. H
13. B

Page 277 - Rate: Introduction

5 miles/minutes  
\$1

Page 278-279 - Rate: SHSAT  
Question Practice

1. C
2. H
3. C
4. G
5. C
6. H
7. A
8. E
9. B
10. H
11. C
12. H

Page 281 - Measurement  
Conversion: Introduction

7 lbs

Page 282-283 - Measurement  
Conversion: Drill

1. 9,000,000
2. 7
3. 76,000
4. 902,000
5. 0.67
1. 43
2. 39
3. 7.402
4. 503
5. 7; 3
6. 8; 2
7. 4.2
8. 40
9. 22
10. 560,000

Page 284 - Measurement  
Conversion: Introduction

1,409.5

Page 285-286 - Measurement  
Conversion: SHSAT Question  
Practice

1. B
2. F
3. C
4. H
5. A
6. 405
7. C
8. G
9. A
10. G
11. 35
12. H

Page 287 - Multi-Term Ratios:  
Introduction

32 erasers  
\$16

Page 288 - Multi-Term Ratios:  
SHSAT Question Practice

1. C
2. G
3. B
4. H
5. D
6. G
7. B

Page 289 - Percents: Introduction

80%  
24 students

Page 290 - Percents: Drill

1. 62.5%
2. 75%
3. 16.7%
4. 78.6%
5. 26.9%
6. 9 hours

Page 291 - Percent Estimation:  
Introduction

C  
E

Page 292 - Percents Estimation:  
Drill

- 10% of 234 = 23.4
- 1% of 123 = 1.23
- 10% of 344 = 34.4
- 11% of 344 = 37.84
- 50 = 10% of 500
- 50 = 45% of 111
- 300 = 77 x 390%

Page 294 - Percents: Multi-Step  
Problems: Introduction

\$80.75

Page 295-296 - Percents: Multi-  
Step Problems: Drill

1. 8%
2. \$1.40
3. 26.8%
4. \$96.25

5. \$806.52
6. \$9.36
7. 46 vases
8. \$17.17
9. \$376.05; 42%
10. \$83.62

Page 297 - Percents: Unknown  
Starting Value Strategy

H

Page 298-300 - Percents: SHSAT  
Question Practice

1. A
2. G
3. B
4. H
5. A
6. G
7. D
8. F
9. B
10. G
11. B
12. 4
13. C
14. H
15. C
16. F
17. B

Page 301-302 - Conversions:  
Introduction (Method)

1.  $\frac{3}{8}$ ; 37.5%; 0.375
2.  $\frac{3}{10}$ ; 30%; 0.3
3.  $\frac{6}{10}$ ; 60%; 0.6
4.  $\frac{7}{4}$ ; 175%; 1.75
1. 14/25
2. 44%
3. 0.25
4. 0.0678
5. 0.39%
6. 0.00448
7. 161/1000
8. 41/125
9. 20%
10. 211/100

### CHAPTER 6 – PRACTICE

Page 304-309 - Ratios &  
Proportions: Practice

1. D
2. 23
3. C
4. F
5. C
6. F
7. C
8. G
9. C
10. E
11. 160
12. G
13. C
14. H
15. 90
16. 152
17. D
18. F
19. A
20. G
21. C
22. H
23. D
24. F
25. D

26. E
27. D
28. G
29. A
30. G
31. C
32. F
33. C
34. G
35. C
36. E
37. D
38. E
39. C
40. F

**CHAPTER 7 – Expressions & Equations**

Page 312 - Translating Expressions: Introduction

more than = add  
 less than = subtract  
 product = multiply  
 quotient = divide  
 a number = variable (x)

$5x + (x + 4)$

Page 313 - Translating Expressions: Drill

1.  $10p$
2.  $q - 34$
3.  $g + 217$
4.  $25 - h$
5.  $28 / f$
6.  $45n$
7.  $87 + u$
8.  $d / 54$

Page 316 - Exponents: Drill

1.  $x^5 + 36$
2.  $-205$
3.  $102 + y^{18}$
4.  $12,805$

Page 317 - Manipulating Expressions: Introduction

$2h$

Page 318 - Manipulating Expressions: Drill

1.  $6h$
2.  $7g - 2j$
3.  $20r - p$
4.  $k + 6m$
5.  $13v + 8e$
6.  $27w + 6f$
7.  $2b + 54q$
8.  $4x + 16v + 4vx$

Page 319 - Manipulating Expressions: Distributive Property

$4x + 24$

Page 320 - Manipulating Expressions: FOIL

$x^2 + 5x + 6$   
 $x^2 + 6x + 9$

Page 321 - Manipulating Expressions: Drill

1.  $12 - 3x$
2.  $12x + 60$
3.  $26x + 39$
4.  $30x^3 - 60x^2$
5.  $6x^4 - 24$
6.  $15y + 36xy$
7.  $99 + 90x$
8.  $-x + 25$

1.  $x^2 + 9x + 18$
2.  $x^2 - 4x - 32$
3.  $x^2 - 10x + 16$
4.  $x^2 + 10x + 25$
5.  $x^2 - 22x + 121$
6.  $x^2 + 8x + 15$
7.  $40 - 14x + x^2$
8.  $x^2 + 24x + 80$

Page 322 - Manipulating Expressions: Factoring

$2(2x + 9)$

Page 323 - Manipulating Expressions: Drill

1.  $4(3x + 10)$
2.  $16x(1 + 4y)$
3.  $7(7 + 2a)$
4.  $24r(q + 3)$
5.  $5(11k + 5g)$
6.  $16x(3w + 2)$

Page 324 - Manipulating Expressions: Variable Substitution

$120$   
 $5$

Page 325-324 - Manipulating Expressions: Practice

1. D
2. F
3. A
4. H
5. D
6. F
7. C
8. E
9. D
10. F
11. B
12. F
13. C
14. F
15. -660

Page 327 - Solving Equations: Introduction

$\$65$

Page 328 - Solving Equations: Drill

Jason

Page 329 - Solving Equations: Drill

1. B
2. B
3. C
4. B
5. A
6. A

7. D
8. D
9. C
10. C
11. A

Page 330 - Solving Equations: Consecutive Integers

19

Page 331 - Solving Equations: Introduction

$x = 7 - 3y$

Page 332 - Solving Equations: Drill

1.  $2y - 3$
2.  $(y + 4)/11$
3.  $3 - 2y$
4.  $10y - 1/8$
5.  $21y$
6.  $4/7y$

Page 333-334 - Solving Equations: Practice

1. -9
2. 10
3. C
4. F
5. D
6. F
7. A
8. 0
9. C
10. G
11. A

Page 335-337 - SHSAT Strategy: Picking Numbers Introduction

- D
- D
- 1/4

Page 338 - SHSAT Strategy: Picking Numbers Drill

- 1.a.  $\$60$
- 1.b.  $1:56; 2:42$
- 1.c. D
- 2.a. m
- 2.b.  $4; Mickey - 12; P - 24$
- 2.c. D
- 3.a. 20
- 3.b.  $Mon - 5; Tues - 3$
- 3.c. B

Page 339-340 - Picking Numbers: Practice

1. A
2. H
3. C
4. F
5. A
6. E
7. D
8. E
9. A
10. E
11. C
12. G

Page 343 - Inequalities: Introduction

$x > -2$

C

Page 344 - Inequalities: Drill

1.  $y < 6$
2.  $y \leq -3$
3.  $y \geq -1/3$
4.  $y \geq -1/2$
5.  $y > -1$
6.  $3 > y > 2$
7.  $10 < y < 25$
8. 1

Page 345-346 - Inequalities: SHSAT Question Practice

1. B
2. H
3. C
4. H
5. B
6. F
7. D
8. H
9. B
10. H
11. C
12. F
13. A

**CHAPTER 7 – PRACTICE**

Page 348 - Translating & Solving Equations: Practice

1.  $x + 125$
2.  $l = 5p$
3.  $2(a + b)$
4.  $6p + 12s = 125$
5.  $12/(10 - 4) = 2$
6.  $7 + x = 24 + 4; x = 21$
7.  $x + 15 = 4(2 + 6); x = 17$
8.  $6 + x = 12 + 5; x = 11$
9.  $10x + 8 = 28; x = 2$
10.  $6x + 10x = 80; x = 5$
11.  $x = 1.2(15); x = 18$
12.  $x = 0.6(90); x = 54$
13.  $60 = (x/100)80; 75\%$
14.  $x = (1/2)(1/2)80; x = 20$
15.  $(1/5)80 = 8x; x = 2$
16.  $0.75x = 10(16); x = 80$
17.  $3(0.5x) = 4(9); x = 24$
18.  $2x - 18 = 86; x = 52$
19.  $4x - 15 = 75; x = 22.5$
20.  $(1/8) = 22 + 8; x = 240$

Page 349 - Manipulating Expressions: Practice

1.  $21x + 84$
2.  $24x - 8$
3.  $60x - 30$
4.  $-66x - 55y - 132$
5.  $225x + 225 - 120y$
6.  $-98 - 70x - 21y$
7.  $-120x + 260y + 180$
8.  $64x + 240y - 176$
9.  $11x + 11$
10.  $-11.2x - 112.2$
11.  $90.7y + 96.2$
12.  $-49.1x - 24.6$
13.  $-20 - 89x$
14.  $33.8x + 6.1$
15.  $52.9 - 126y + 2.6x$
16.  $-53.2x - 17$
17.  $(23/40)x - (363/7)$

Page 350-355 - Expressions & Equations: Practice

1. A
2. F
3. D
4. H
5. 30
6. G
7. A
8. H
9. C
10. H
11. A
12. G
13. 30
14. H
15. D
16. -9
17. C
18. H
19. B
20. H
21. C
22. H
23. A
24. F
25. D
26. E
27. A
28. H
29. C
30. G
31. C
32. G
33. C
34. E
35. C
36. F
37. D
38. E
39. D
40. F
41. D
42. F
43. 13
44. F

**CHAPTER 8 - Geometry**

Page 361 - Quadrilaterals: Drill

1. 88
2. 52
3. 104.8
4. 12, 12, 13, 13
5. 36
6. 56

Page 362-363 - Quadrilaterals: SHSAT Question Practice

1. B
2. H
3. B
4. F
5. A
6. 35
7. C
8. G
9. 4
10. E
11. B

Page 364 - Triangles: Introduction

Similar - 2 angles in common  
 Degrees - 180  
 Right - 90  
 Equilateral - 60

Page 366 - Triangles: SHSAT Question Practice

1. B
2. F
3. B
4. H
5. C

Page 367 - Scale Diagrams: Introduction (Method)

- a. 180
- b. 180
- c. 20

Page 368 - Scale Diagrams: Drill

1. 4
2. 63
3. 192
4. 1548
5. 5
6. 27
7. 234
8. 42
9. 34, 992

Page 369 - Scale Diagrams: SHSAT Question Practice

1. C
2. F
3. D
4. G
5. C
6. G

Page 370 - Circles: Introduction

Area =  $(\pi)r^2$   
 $C = 2(\pi)r = (\pi)d$

- Method:
1. 9( $\pi$ )
  2. 36
  3. 12
  4. 18( $\pi$ )

Page 371 - Circles: Drill

1. D = 12  
A = 36( $\pi$ )  
C = 12( $\pi$ )
2. R = 7  
A = 49( $\pi$ )  
C = 14( $\pi$ )
3. D = 22  
R = 11  
A = 121( $\pi$ )
4. R = 10  
D = 20  
C = 20( $\pi$ )
5. D = 2x  
A =  $(\pi)x^2$   
C = 2x( $\pi$ )

Page 372 - Circles: SHSAT Question Practice

1. D
2. F
3. 75
4. F
5. B
6. G

Page 373 - Volume: Introduction

336

Page 374 - Surface Area: Introduction

320

Page 375 - Volume & Surface Area: Drill

1. 8
2. 8
3. 328
4. 90
5. 150
6. 264

Page 376 - Volume & Surface Area: SHSAT Question Practice

1. B
2. E
3. B
4. G
5. B
6. H

Page 377 - Angles & Lines: Introduction (Method)

- 180
- Vertical
- Cut in half
- 90 degree angles
- 180 degree angle
- 90 degree angle

Page 378 - Angles & Lines: Drill

- 1.a. 45
- 1.b. Supplementary
2. 43
- 3.a. 30
- 3.b. 60
4. 57
5. 52
6. 160

Page 379 - Angles & Lines: SHSAT Question Practice

1. B
2. G
3. C
4. E
5. 80

**CHAPTER 8 – PRACTICE**

Page 382 - Geometry: Practice

1. T
2. T
3. F
4. T
5. F
6. F
7. T
8. F
9. T
10. 180
11. Equal
12. 90 degree angles

Page 383 - Quadrilaterals & Other Polygons: Practice

1. 25
2. 20
3. 12
4. 30
5. 216
6. 60

7. 10
8. 133

Page 384 - Triangles: Practice

1. 20
2. 96
3. 24
4. Add up to 120
5. 90; 63
6. 12
7. 136

Page 385 - Circles: Practice

1. 64( $\pi$ )
2. 12( $\pi$ )
3. 14
4. 40( $\pi$ )
5. 324( $\pi$ )
6. 60.5
7. 27( $\pi$ )

Page 386-392 - Geometry: Practice

1. 28
2. E
3. C
4. G
5. C
6. F
7. D
8. G
9. D
10. F
11. 6
12. F
13. C
14. 2.5
15. B
16. F
17. C
18. H
19. B
20. H
21. 10
22. F
23. C
24. H
25. 36
26. F
27. A
28. F
29. D
30. G
31. A
32. E
33. B
34. 1200
35. 100
36. H
37. C
38. 16
39. A
40. H
41. C
42. F

**CHAPTER 9 – Statistics & Probability**

Page 395 - Statistics: Drill

1. Bias
2. Random
3. Bias
4. Bias
5. Random

Page 396-397 - Measures of Center: Introduction

Median - 82  
 Mode - 88  
 Range - 26  
 Average - 50.4

- Method:
1. \$41
  2. 14

Page 398 - Measures of Center: Drill

1. Henelope
2. 7th Grade
3. \$68.80

Page 399 - Measures of Center: Drill

1. Median: 78.5; Mode: 98
2. Range: 1894; Mean: 913.6
3. 6.4
4. Range: \$6.10; Mean: \$8.58

Page 400-402 - Measures of Center: Introduction

Nicole  
 D  
 22.2

Page 403 - Measures of Center: Drill

- 1.a. 40
- 1.b. 7
- 1.c. 51
- 2.a. 72
- 2.b. 7
- 3.a. 12
- 3.b. 7
- 3.c. 12

Page 405 - Measures of Center: Drill

1. Mode: 3  
Median: 3  
Mean: 3.3
2. Mode: 0.5  
Median: 1  
Mean: 1.1
3. Mode: 3  
Median: 4

Page 408 - Measures of Center: Introduction

1st Quartile - 7  
 3rd Quartile - 18  
 IQR - 11

Page 409-410 - Measures of Center: SHSAT Question Practice

1. A
2. F
3. C
4. E
5. C
6. F
7. 97
8. F
9. D
10. G
11. B
12. H
13. B

14. H

Page 411-412 - Probability: Introduction

D  
 B

Page 413 - Probability: Drill

1. 1/6
2. 1/4
3. 2/7
4. 1
5. 1/2
6. 22/35

Page 414 - Probability: Drill

1. A
2. C
3. C
4. D

Page 415 - Relative Frequency: Introduction

72

Page 416-417 - Relative Frequency: Drill

1. 25
2. 104
3. 144
4. 672
5. 95
6. 512

Page 418-419 - Probability: Practice

1. B
2. F
3. B
4. F
5. C
6. F
7. D
8. H
9. C
10. H
11. A

Page 422 - Venn Diagram: SHSAT Question Practice

1. C
2. F
3. 71
4. H
5. 101
6. G

Page 423 - Combinations: Introduction

15

Page 424 - Permutations: Introduction

720

Page 425 - Combinations/Permutations: SHSAT Question Practice

1. C
2. 5040
3. D

4. G
5. B
6. G
7. (Chow Down) 21

**CHAPTER 9 – Practice**

Page 428-430 - Statistics &  
Probability: Practice

1. 57
2. G
3. A
4. F
5. 2800
6. 120
7. A
8. F
9. A
10. G
11. D
12. F
13. B
14. E
15. B

**CHAPTER 10 – Mini Tests**

Page 434-447 - Mini Test #1

1. D
2. F
3. A
4. G
5. B
6. F
7. D
8. G
9. A
10. G
11. B
12. H
13. A
14. E
15. C
16. F
17. C
18. F
19. B
20. G
21. D
22. G
23. C
24. 41.5
25. 39
26. 744
27. A
28. G
29. A
30. G
31. C
32. F
33. B
34. G
35. C
36. F
37. D
38. E
39. B
40. H
41. C
42. F
43. C
44. F
45. D
46. E
47. C
48. E
49. D
50. F