Scoring High

Iowa Tests of Basic Skills®

A Test Prep Program for ITBS®

Book 8
Now with Science

SRA

Book 8

On Your Way to Scoring High

On the Iowa Tests of Basic Skills®

Name _____

Unit 1 Vocabulary

My Score

Lesson		Page
1a	Vocabulary	1
1b	Vocabulary	2
	Test Yourself	3

Unit 2 Reading Comprehension

My Score

Lesson		Page
2a	Reading Comprehension	5
2b	Reading Comprehension	9
	Test Yourself	13

Unit 3 Spelling

My Score

Lesson		Page
3a	Spelling	19
3b	Spelling	20
	Test Yourself	21

Unit 4 Capitalization and Punctuation

My Score

Lesson		Page
4a	Capitalization	23
4b	Capitalization	24
5a	Punctuation	25
5b	Punctuation	26
	Test Yourself	27

Unit 5 Usage and Expression

My Score

Lesson		Page
6a	Usage	29
6b	Usage	31
7a	Expression	33
7b	Expression	35
	Test Yourself	37

Unit 6 Math Concepts and Estimation

My Score

Lesson		Page
8a	Math Concepts	41
8b	Math Concepts	44
9a	Math Estimation	47
9b	Math Estimation	48
	Test Yourself	49

Unit 7 Math Problem Solving and Data Interpretation

My Score | Lesson | Page

- 10a Math Problem Solving 53
- 10b Math Problem Solving 54
- 11a Data Interpretation 55
- 11b Data Interpretation 56
- Test Yourself 57

Unit 8 Math Computation

My Score | Lesson | Page

- 12a Adding and Subtracting 59
- 12b Adding and Subtracting 60
- 13a Multiplying and Dividing..... 61
- 13b Multiplying and Dividing..... 62
- Test Yourself 63

Unit 9 Maps, Diagrams, and Reference Materials

My Score | Lesson | Page

- 14a Maps and Diagrams 65
- 14b Maps and Diagrams 67
- 15a Reference Materials..... 69
- 15b Reference Materials..... 71
- 16a Reference Materials..... 73
- 16b Reference Materials..... 76
- Test Yourself 78

Unit 10 Science

My Score | Lesson | Page

- 17a Science Skills 86
- 17b Science Skills 92
- Test Yourself 98

Unit 11 Test Practice

Name and Answer Sheet..... 109

My Score | Lesson | Page

- 1 Vocabulary 113
- 2 Reading Comprehension 115
- 3 Spelling 121
- 4 Capitalization 123
- 5 Punctuation 124
- 6 Part 1 Usage 125
- 6 Part 2 Expression..... 126
- 7 Part 1 Math Concepts.....129
- 7 Part 2 Math Estimation 132
- 8 Part 1 Math Problem Solving 133
- 8 Part 2 Data Interpretation 135
- 9 Math Computation 136
- 10 Maps and Diagrams 137
- 11 Reference Materials.... 140
- 12 Science..... 144

Family traditions are often humorous, and this one is no exception.

1 As I sat alone in my bedroom—bed freshly made and books neatly stacked on the shelf—I praised myself for enduring another year of the Smith Family Campout.

2 It's not that I don't become absolutely giddy from the time the invitation comes until the moment our station wagon rolls into Wright's Happy Camping and RV Park. It's not that I don't look forward to seeing all forty-two aunts, uncles, first cousins, second cousins, grandparents, and great-grandparents. In fact, the Smith Family Campout is one of the highlights of my year.

3 The same routine takes place every year. Our family arrives first because we make the reservations for the group. With six in our family, the wagon is packed so tightly that Dad can't see out the back window. This always makes the four-hour drive interesting. Every time Dad makes a turn, we have to yell "Clear!" Last year we almost hit a cement truck.

4 After settling in, exploring all the sites, and choosing the best spot to pitch our tents, the kids go for a hike. We walk about two miles to the spring, drink the freezing water out of our hands, and return to mayhem. The campsites are covered with Smiths and people who married into the Smith family. We creep in, trying to act like we've been there for a while to dodge colorful kisses and pinches on the cheek. This tactic never works.

5 After that, it's a blur. With activities like hot-dog roasts, seeing who can find rocks shaped like the fifty states, and the talent show, the week disappears as quickly as it came. By Saturday, however, everyone begins to miss having a shower and bathroom and no one is polite any more because we've gotten so used to each other.

6 When we arrive home, I go to my own room. I shut the door and remember what stillness sounds like. Then I start planning for next year's Smith Family Campout.

12 **In paragraph 6, what does the narrator mean when she says she remembers "what stillness sounds like"?**

- **J** She listens to the crickets outside her window.
- **K** She prefers spending time alone in her room to camping with the family.
- **L** She enjoys the quiet after a busy week of camping with her family.
- **M** She makes an effort to spend time alone during the campout.

13 **In paragraph 2, what does "giddy" mean?**

- **A** Curious
- **B** Excited
- **C** Nervous
- **D** Exhausted

14 **What is the meaning of the last paragraph?**

- **J** Though the narrator is glad when the campout is over, she always looks forward to the next one.
- **K** Unless she has time by herself, the narrator's family drives her crazy.
- **L** The narrator expresses relief at not having to share a room with other family members.
- **M** The narrator tries to keep in mind positive aspects of the campout to improve her attitude.

STOP

Answer rows 12 Ⓙ Ⓚ Ⓛ Ⓜ 13 Ⓐ Ⓑ Ⓒ Ⓓ 14 Ⓙ Ⓚ Ⓛ Ⓜ

Unit 4

Capitalization and Punctuation

Lesson 4a **Capitalization**

Directions: Fill in the space for the answer that has a mistake in capitalization. Fill in the last answer space if there is no mistake.

Sample A

A When senator Garvey came to
B our town, she spent several hours
C meeting with students in the library.
D (No mistakes)

Sample B

J Planes going from the United
K States to Japan fly in a great
L Circle across the Pacific Ocean.
M (No mistakes)

- **Remember, you are looking for the answer that has a mistake in capitalization.**
- **The first word in a sentence and proper nouns should be capitalized. Look carefully for these words.**

1
A Many customs found in the U.S.,
B Canada, Latin America, and Australia
C came from the european continent.
D (No mistakes)

2
J The California gold rush was
K triggered by one man in 1848.
L his name was James Marshall.
M (No mistakes)

3
A As part of a city awareness program,
B the students from Jackson High School
C collected trash in pioneer square.
D (No mistakes)

4
J Our town holds a giant Barbeque
K in Hasselhoff Park every June.
L It's become a summer tradition.
M (No mistakes)

5
A The seven-day week comes from
B the jewish custom of observing
C a day of rest every seven days.
D (No mistakes)

6
J The United States Army ran a
K popular advertising campaign with
L the phrase "Be all that you can be."
M (No mistakes)

7
A In 1826, Thomas Telford
B built a suspension bridge over
C the Menai straits in Wales.
D (No mistakes)

8
J If you look at my skin,
K you won't have to ask why
L my family calls me freckles.
M (No mistakes)

Answer rows
A Ⓐ Ⓑ Ⓒ Ⓓ 1 Ⓐ Ⓑ Ⓒ Ⓓ 3 Ⓐ Ⓑ Ⓒ Ⓓ 5 Ⓐ Ⓑ Ⓒ Ⓓ 7 Ⓐ Ⓑ Ⓒ Ⓓ
B Ⓙ Ⓚ Ⓛ Ⓜ 2 Ⓙ Ⓚ Ⓛ Ⓜ 4 Ⓙ Ⓚ Ⓛ Ⓜ 6 Ⓙ Ⓚ Ⓛ Ⓜ 8 Ⓙ Ⓚ Ⓛ Ⓜ

Unit 5

Usage and Expression

Lesson 6b **Usage**

Directions: Fill in the space for the answer that has a mistake in usage. Fill in the last answer space if there is no mistake.

Sample A

A I didn't realize my pants were
B tore until I reached school. My
C friends really gave me the business.
D (No mistakes)

Sample B

J The street was crowded with
K people walking to work. Most of
L them didn't notice the artist.
M (No mistakes)

- **Pay attention to each word in an answer. Sometimes the mistake is a correct word used incorrectly.**

1
A Most every day Mrs. Walters
B runs six miles. The amazing thing
C is that she is almost seventy.
D (No mistakes)

2
J A bird got into our house
K yesterday. It must have flown
L in through a open window.
M (No mistakes)

3
A The computer we just bought
B is powerfuller than the old one.
C It also has a CD-ROM drive.
D (No mistakes)

4
J Australia is a wonderful place
K to visit. It has a variety of climates,
L from tropical forests to vast deserts.
M (No mistakes)

5
A A book of ten stamps cost $3.70.
B You will need at least three books
C to send invitations to your friends.
D (No mistakes)

6
J My brother yelled loud, but I
K didn't hear him. He wanted me
L to wait for him on the corner.
M (No mistakes)

7
A Thank you for taking such good care
B of my sister. She is doing well, and
C her arm is beginning to feel more better.
D (No mistakes)

8
J The team can't get no uniforms
K because the school's budget has
L been cut by the school board.
M (No mistakes)

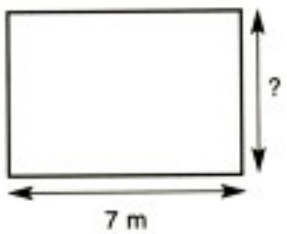
GO

Answer rows
A Ⓐ Ⓑ Ⓒ Ⓓ 1 Ⓐ Ⓑ Ⓒ Ⓓ 3 Ⓐ Ⓑ Ⓒ Ⓓ 5 Ⓐ Ⓑ Ⓒ Ⓓ 7 Ⓐ Ⓑ Ⓒ Ⓓ
B Ⓙ Ⓚ Ⓛ Ⓜ 2 Ⓙ Ⓚ Ⓛ Ⓜ 4 Ⓙ Ⓚ Ⓛ Ⓜ 6 Ⓙ Ⓚ Ⓛ Ⓜ 8 Ⓙ Ⓚ Ⓛ Ⓜ

12 **Which is closest in value to 7,459,326?**

J $7\frac{1}{4}$ million
K $7\frac{1}{2}$ million
L $7\frac{3}{5}$ million
M $7\frac{3}{4}$ million

13 **The area of the rectangle below is 35 square meters. What is the length of the missing side?**



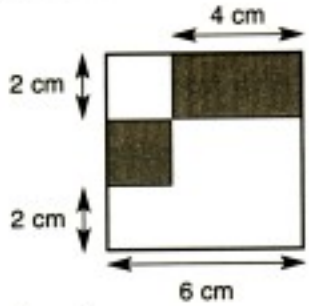
A 5 m
B 7 m
C 10.5 m
D 28 m

14 **What is the 100th number in the sequence below?**

3, 6, 9, 12, 15…

J 30
K 130
L 300
M 303

15 **What is the area of the shaded part of the square below?**



A 8 cm^2
B 10 cm^2
C 12 cm^2
D 36 cm^2

16 **The workers in a factory wear red, blue, or gray uniforms, depending on where they work. In the cafeteria at noon, when all the workers eat, there are twice as many people wearing blue uniforms than red uniforms and three times as many people wearing gray uniforms than blue uniforms. If there are 15 people wearing red uniforms, how many people will be wearing gray uniforms?**

J 90
L 100
K 95
M 115

17 **What should replace the ☐ in the equation 5 ☐ $\frac{1}{4}$ = 20?**

A +
B −
C ×
D ÷

STOP

Answer rows
12 J K L M
13 A B C D
14 J K L M
15 A B C D
16 J K L M
17 A B C D

Unit 8

Math Computation

Lesson 12b Adding and Subtracting

Directions: Solve each problem. Choose the answer you think is correct. If the correct answer is not given, fill in the space for the last answer, N.

Sample A $0.2 + 0.9 + 0.6 =$

A 0.017
B 0.17
C 1.7
D N

Sample B $1 - \frac{4}{9} =$

J $\frac{3}{8}$
K $\frac{5}{9}$
L $\frac{8}{9}$
M N

- **Pay close attention to fractions and decimals. It is easy to make a mistake transferring these numbers to scratch paper.**

1 $3\frac{5}{6} + 2\frac{4}{6} =$

A $5\frac{1}{6}$
B $5\frac{2}{3}$
C $6\frac{1}{2}$
D N

2
$$\begin{array}{r} 0.71 \\ -\ 0.40 \\ \hline \end{array}$$

J 0.27
K 0.31
L 0.67
M N

3 $0.534 + 0.21 + 4.6 =$

A 0.601
B 1.204
C 5.244
D N

4 $9 - 3\frac{2}{5} =$

J $5\frac{3}{5}$
K $6\frac{2}{5}$
L $6\frac{3}{5}$
M N

5
$$\begin{array}{r} 513 \\ 242 \\ +\ 2{,}471 \\ \hline \end{array}$$

A 3,126
B 3,226
C 3,236
D N

6
$$\begin{array}{r} 0.902 \\ -\ 0.657 \\ \hline \end{array}$$

J 0.245
K 0.255
L 1.559
M N

7 $\frac{1}{3} + \frac{1}{8} =$

A $\frac{2}{11}$
B $\frac{11}{24}$
C $1\frac{11}{24}$
D N

8 $0.961 - 0.324 =$

J 0.537
K 0.633
L 0.637
M N

STOP

Answer rows

A	Ⓐ Ⓑ Ⓒ Ⓓ	1	Ⓐ Ⓑ Ⓒ Ⓓ	3	Ⓐ Ⓑ Ⓒ Ⓓ	5	Ⓐ Ⓑ Ⓒ Ⓓ	7	Ⓐ Ⓑ Ⓒ Ⓓ
B	Ⓙ Ⓚ Ⓛ Ⓜ	2	Ⓙ Ⓚ Ⓛ Ⓜ	4	Ⓙ Ⓚ Ⓛ Ⓜ	6	Ⓙ Ⓚ Ⓛ Ⓜ	8	Ⓙ Ⓚ Ⓛ Ⓜ