

# Learning Express Library

### Learning Express Library

Practice tests, tutorials & ebooks include:

- GED (Science, Math, English)
- College Entrance Exams (ACT, SAT, GRE, ACCUPLACER, COMPASS)
- Military Entrance Exam (ASVAB)
- Advanced Placement Subject Tests
- Elementary, Middle and High School Skills Improvement Tests (English, Math, History)
- Firefighter, Law Enforcement, and Emergency Medical Services Tests
- Teacher, Nursing, Allied Health, Commercial Drivers License (CDL) and more
- Job & Career Skills (Resume writing, interview skills etc.)
- Computer Skills (Basics, software, Internet, graphics, OS)

Learning Express Library provides online practice tests, tutorials and ebooks designed to help library patrons, students and adult learners prepare for academic or licensing tests that they must take. It provides immediate test scoring, explanations of the answers to questions and the opportunity to take the tests and tutorials multiple times. For grade 4 through adult.



Registration is free, anonymous, and must be completed to practice any test.

YOUR INSTITUTION IS

If this is correct please register below. If this is incorrect, click here.

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### To Access Learning Express Library:

- Go to SD State Library website (<http://library.sd.gov>)
- Click *Online Resources: Complete Listing*
- Click *Learning Express Library*
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LearningExpress LIBRARY™

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South Dakota State Library Services

## 6th Grade Algebra & Patterns Practice

Back to My Center

### Score Report

Your Score: **2**

View Answers

Congratulations! By completing this diagnostic, you are on your way toward improving your math skills. Your score results on this task are listed below, broken down by topic area and total score.

Topic	Number of Questions	Correct	Incorrect	Skipped	Score
Analyze and Extend Patterns	6	2	3	1	2
Solving Linear Equations	6	0	0	6	0
Use Expressions, Equations, Graphs, and Tables	6	0	0	6	0
<b>Total</b>	<b>18</b>	<b>2</b>	<b>3</b>	<b>13</b>	<b>2</b>

### Recommendations

**Algebra in 15 Minutes a Day**  
A good knowledge of algebra is important for class, homework, and tests. This eBook offers a complete course in algebra skills for middle schoolers, and each step is explained in 15 minutes a day.  
[Launch](#)

**Math to the Max**  
This eBook has 1,200 questions to help you improve your math skills. Problems and explanations help you take command of arithmetic, algebra, and geometry. The topic covered includes an overview of key terms and formulas.  
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#### Recommendations Key

- Develop:** Skills development needed. Use these products to build your skills.
- Improve:** Skills improvement recommended. Use these products to practice and improve skills.
- Practice:** Skills mastered. Use these products for additional practice.

View answers with explanations

Tests can be scored at any time

Tests can be stopped and started as needed

Test scores are analyzed by question topic

Instructions are provided for each test

Test questions are multiple choice

Questions

Finish Later Score

3. What number is missing from the pattern below?  
4, \_\_, 16, 25, 36, 49

A.  8  
B.  9  
C.  10  
D.  12

Skip Question for Now

4. What rule best describes the pattern below?

A.  Rotate the square 90° clockwise.  
B.  Rotate the square 180° clockwise.  
C.  Rotate the square 90° counterclockwise.  
D.  Reflect the square over the horizontal axis.

Skip Question for Now

Sample Test Question



Provided by the South Dakota State Library and Institute of Museum and Library Services.

If you have any questions about using this database, contact a **South Dakota Librarian.**