

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 9 - FORM B

(Test items developed for skills measured in Stanford9)*

Skills

- | | |
|------------------------------------|------------------------------------|
| 1.0 Problem Solving | 3.3 Statistics |
| 1.1 Problem Solving Strategies | 3.4 Probability |
| 1.2 Algebra | 3.5 Functions |
| 1.3 Statistics | 3.6 Geometry/Synthetic Perspective |
| 1.4 Probability | 3.7 Geometry/Algebraic Perspective |
| 1.5 Functions | 3.8 Trigonometry |
| 1.6 Geometry/Synthetic Perspective | 3.9 Discrete Mathematics |
| 1.7 Geometry/Algebraic Perspective | 3.10 Calculus |
| 1.8 Trigonometry | 3.11 Problem Solving |
| 1.9 Discrete Mathematics | 3.12 Reasoning |
| 1.10 Calculus | 3.13 Communication |
| 2.0 Related Processes | 3.14 Connections |
| 2.1 Problem Solving | 4.0 Using Information |
| 2.2 Reasoning | 4.1 Statistics |
| 2.3 Communication | 4.2 Trigonometry |
| 2.4 Connections | 4.3 Connections |
| 3.0 Thinking Skills | |
| 3.1 Problem Solving Strategies | |
| 3.2 Algebra | |

Number of questions: 48

Number of pages: 15

Approximate testing time: 45 minutes

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(OVER)

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Stanford9 PRACTICE TEST IN MATHEMATICS - GRADE 9 - FORM B

1. Sandy is twice Bobby's age. Two years ago, Bobby was 11. How old is Sandy?

- A. 22 B. 26 C. 34 D. 44
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2. The product of two consecutive even integers is 168. What is the larger of the two integers?

- A. 10 B. 12 C. 14 D. 16
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3. Tim's part-time job pays \$5.00 an hour. For each \$100.00 he makes, he donates \$10.00 to charity. How many hours would he have to work to have enough money to buy a \$315 stereo?

- A. 55 B. 60 C. 65 D. 70
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4. There are 2 more black chips than yellow chips in the bag. There are twice as many red chips as black chips in the bag. There are three less blue chips than red chips in the bag. There are 6 yellow chips in the bag. How many chips are in the bag?

- A. 43 B. 44 C. 45 D. 46
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5. These girls collect postage stamps. Jill has seven more than JoAnn. Julie has half as many as JoAnn. Julie has 8 less than Jan has. Jan has 13. How many does Jill have?

- A. 16 B. 17 C. 18 D. 19
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6. At 4:00 Landy starts her homework. At 6:30 she has completed 15 problems. At 7:30 she has completed 21 problems in all. At what time will she have all 36 problems completed?

- A. 8:00 B. 9:00 C. 10:00 D. 11:00
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