

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 8

(Test items developed for skills measured in Stanford9)*

Skills

- | | | | |
|------|-----------------------------|------|-------------------------|
| 1.0 | Procedures | 5.0 | Thinking Skills |
| 1.1 | Operations/Rational Numbers | 5.1 | Whole Numbers |
| 2.0 | Computation | 5.2 | Multiple Operations |
| 2.1 | Whole Numbers | 5.3 | Decimals/Money |
| 2.2 | Multiple Operations | 5.4 | Fractions/Mixed Numbers |
| 2.3 | Decimals/Money | 5.5 | Measurement |
| 2.4 | Fractions/Mixed Numbers | 5.6 | Estimation |
| 2.5 | Rounding | 5.7 | Problem Solving |
| 3.0 | Problem Solving | 5.8 | Number Systems/Theory |
| 3.1 | Measurement | 5.9 | Patterns/Functions |
| 3.2 | Estimation | 5.10 | Statistics |
| 3.3 | Problem Solving Strategies | 5.11 | Probability |
| 3.4 | Number/Number Relationships | 5.12 | Geometry |
| 3.5 | Number Systems/Theory | 5.13 | Problem Solving |
| 3.6 | Patterns/Functions | 5.14 | Reasoning |
| 3.7 | Algebra | 5.15 | Connections |
| 3.8 | Statistics | 6.0 | Using Information |
| 3.9 | Probability | 6.1 | Statistics |
| 3.10 | Geometry | 6.2 | Probability |
| 4.0 | Related Processes | 6.3 | Connections |
| 4.1 | Problem Solving | | |
| 4.2 | Reasoning | | |
| 4.3 | Communication | | |
| 4.4 | Connections | | |

Number of questions: 82

Number of pages: 19

Approximate testing time: 80 minutes

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(OVER)

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Stanford9 MATHEMATICS PRACTICE TEST - GRADE 8

DIRECTIONS: Read each question and choose the correct answer. If the correct answer is not here, choose NH.

10. Mrs. Hoy has 364 beads. She needs 7 beads for each necklace. How many necklaces can she make and use all the beads?

- A. 50 B. 52 C. 62 D. 68
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11. Dr. Jones recommended that Anna take six tablets on the first day and then three tablets each day until the prescription ran out. The prescription contained 21 tablets. How many days will Anna be taking the pills after the first day?

- A. 4 B. 7 C. 8 D.5
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12. The cost of a long distance phone call is \$0.15 for the first 5 minutes and \$0.10 for each additional minute. If Laura makes a 30-minute long distance phone call, how much will it cost?

- A. \$1.85 B. \$2.15 C. \$2.65 D. NH
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13. Rachel bought three packages of meat. The packages weighed 3.27 pounds, 5.21 pounds, and 4.2 pounds. How many pounds of meat did she buy?

- A. 12.68 B. 13.64 C. 12.60 D. 11.68
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14. The Tigers ran the relay race in 63.7 seconds. The Wildcats ran the race in 57.9 seconds. How much more time did the Tigers take to run the relay than the Wildcats?

- A. 4.3 sec B. 5.8 sec C. 6.1 sec D. 4.8 sec
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15. Robert picked out a pair of trousers. When he saw the price, he said "These are a third as much as I paid for my new suit last month!" The trousers cost \$45.50. How much did his suit cost?

- A. \$136.50 B. \$125.80 C. \$91.00 D. \$155.75
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