

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 8 - FORM B**

*(Test items developed for skills measured in Stanford9\*)*

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*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                 |      |                         |

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Number of questions: 82

Number of pages: 17

Approximate testing time: 80 minutes

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(OVER)

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Stanford9 PRACTICE TEST IN MATHEMATICS - GRADE 8 - FORM B

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

$$1. \quad \begin{array}{r} 2\frac{3}{5} \\ + 3\frac{1}{5} \\ \hline \end{array}$$

A.  $1\frac{2}{5}$

B.  $4\frac{4}{5}$

C.  $5\frac{4}{5}$

D.  $5\frac{4}{10}$

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$$2. \quad \begin{array}{r} 12\frac{5}{6} \\ - 8\frac{1}{12} \\ \hline \end{array}$$

A.  $4\frac{3}{4}$

B.  $4\frac{1}{3}$

C.  $3\frac{3}{4}$

D. NH

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$$3. \quad \frac{1}{7} \times 2\frac{1}{3} =$$

A.  $2\frac{1}{21}$

B.  $\frac{1}{3}$

C.  $\frac{1}{7}$

D.  $\frac{1}{21}$

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$$4. \quad 6 \div \frac{4}{5} =$$

A.  $6\frac{1}{2}$

B.  $6\frac{4}{5}$

C.  $7\frac{1}{2}$

D.  $7\frac{4}{5}$

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$$5. \quad 16.4 \times 31.7 =$$

A. 519.88

B. 518.99

C. 518.98

D. 509.88

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$$6. \quad 49.7 \div 0.7 =$$

A. 7.1

B. 70

C. 71

D. 34.79

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