

SKILLS LIST and SAMPLE TEST ITEMS

FOR

**PRACTICE TEST FOR MATHEMATICS, GRADE 7
SHORT FORM A**

(Test items developed for skills measured in STANFORD10)

Skills

1.0	Problem Solving	4.0	Thinking Skills
	1.1 Number Sense and Operations		4.1 Number Sense and Operation
	1.2 Algebra		4.2 Algebra
	1.3 Data Interpretation		4.3 Data Interpretation
	1.4 Geometry/Measurement		4.4 Geometry/Measurement
2.0	Procedures		4.5 Estimation
	2.1 Whole Numbers		4.6 Connections
	2.2 Decimals		4.7 Reasoning
	2.3 Fractions		4.8 Whole Numbers
	2.4 Integers		4.9 Decimals
3.0	Related Processes		4.10 Fractions
	3.1 Symbols and Terms		4.11 Everyday Problems
	3.2 Estimation		4.12 Use Symbols and Notations
	3.3 Connections		
	3.4 Reasoning		
	3.5 Everyday Problems		
	3.6 Use Symbols and Notations		

Number of questions: 50

Number of pages: 12

Approximate testing time: 50 minutes

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(OVER)

STANFORD10 PRACTICE TEST IN MATHEMATICS - GRADE 7
FORM A

DIRECTIONS: Read each question and choose the correct answer.

SAMPLE A

John has 93.456 points in Science class. Round this number to the nearest hundredth.

- A. 94.00
- B. 93.55
- C. 93.46
- D. 93.36

SAMPLE B

Mr. Plunkett has graded 12 of the 18 projects turned in this morning. What percent has he graded?

- A. 67%
- B. 65%
- C. 60%
- D. 57%

1. Which of the following sets of numbers are equal?

- A. $\frac{1}{2}$ 6 out of 5
- B. $\frac{2}{5}$ $1 - \frac{3}{4}$
- C. 0.75 7.5%
- D. 25% $\frac{1}{4}$

2. Sarah scored 85% on her math test. Which of the following shows the correct ratio of the number correct to the total number of problems?

- A. 5.8
- B. 15/100
- C. 17/20
- D. 8/15

3. Which of the following numbers is between -3 and -4?

- A. $-\frac{7}{2}$
- B. $-\frac{5}{2}$
- C. $\frac{5}{2}$
- D. $\frac{7}{2}$

4. Mandy worked $\frac{1}{3}$ of her homework problems in 30 minutes. At this rate how long will she spend on all of her homework?

- A. 1 hour
- B. 1.5 hours
- C. 2 hours
- D. 3 hours

5. Laverne knows that $a=7^2$ is the formula for the area of a square with the side length of 7. What is the area of the square?

- A. 14
- B. 28
- C. 49
- D. 72

6. The Founder's Day Race participants are listed below.

June	59.24 minutes
Jay	48.76 minutes
Ray	49.67 minutes
Susi	54.93 minutes

Which list shows the runners in order from 1st place to 4th place?

- A. June, Jay, Ray, Susi
- B. Susi, Ray, Jay, June
- C. Jay, Ray, June, Susi
- D. Jay, Ray, Susi, June