

*SKILLS LIST and SAMPLE TEST ITEMS*

*FOR*

**PRACTICE TEST FOR MATHEMATICS, GRADE 6**

*(Test items developed for instructional objectives)*

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*Skills*

- |     |                       |     |  |
|-----|-----------------------|-----|--|
| 1.0 | Number Sense          | 3.0 | Measurement and Geometry                   |
| 1.1 | Compare and Order     | 3.1 | Plane and Solid Shapes                     |
| 1.2 | Problem Solving       | 3.2 | Two-Dimensional Figures                    |
| 2.0 | Algebra and Functions | 4.0 | Statistics, Data Analysis, and Probability |
| 2.1 | Algebraic Expressions | 4.1 | Data Sets                                  |
| 2.2 | Rates                 | 4.2 | Data Samples                               |
| 2.3 | Geometric Patterns    | 4.3 | Predictions                                |
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Number of questions: 71

Number of pages: 11

Approximate testing time: 75 minutes

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(OVER)

**PRACTICE TEST IN MATHEMATICS - GRADE 6**  
**FORM A**

Read each problem. Choose the correct answer, and mark your answer sheet.

1. Which of the following lists these numbers from largest to smallest?

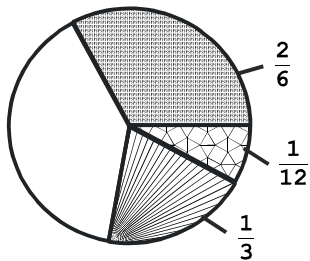
A. 5.39, 5.69, 4.24, 4.14, 4.41  
 B. 5.69, 5.39, 4.41, 4.24, 4.14  
 C. 4.14, 4.24, 4.41, 5.39, 5.69  
 D. 5.69, 5.39, 4.14, 4.24, 4.41

2. A brownie recipe needs  $2\frac{1}{5}$  cups of flour,  $1\frac{1}{3}$  cups of sugar, and  $\frac{5}{6}$  cups of powdered sugar. How many cups of dry ingredients are needed to make the brownies?

A.  $3\frac{7}{14}$   
 B.  $3\frac{13}{21}$   
 C.  $3\frac{30}{41}$   
 D.  $4\frac{11}{30}$

3. How much of the circle graph is unshaded?

A.  $\frac{4}{21}$   
 B.  $\frac{3}{12}$   
 C.  $\frac{17}{21}$   
 D.  $\frac{7}{12}$



4. Solve this equation.  $n = 1.6$

$$2n + 4$$

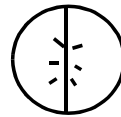
A. 4.4  
 B. 7.2  
 C. 7.6  
 D. 12.8

5. A pool table has an area of about 3,456 inches squared. The width of the pool table is 48 inches. About how many inches in length is the table?

A. 70  
 B. 75  
 C. 80  
 D. 85

6. The diameter of a pie is 6.4 cm. What is the area of the pie rounded to the nearest whole number?

A.  $10 \text{ cm}^2$   
 B.  $32 \text{ cm}^2$   
 C.  $41 \text{ cm}^2$   
 D.  $127 \text{ cm}^2$

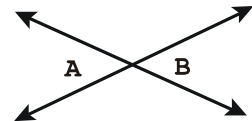


7. What is the median for the following numbers?

18, 14, 12, 9, 21, 6, 11

A. 6  
 B. 9  
 C. 12  
 D. 13

8. Identify angles A and B in the following figure.



A. vertical  
 B. adjacent  
 C. complementary  
 D. supplementary

9. Sally wants to conduct a survey to determine the most popular sport in her community. Where should she conduct the survey to be most accurate?

A. Golf course  
 B. Bowling alley  
 C. Supermarket  
 D. Football field