

SKILLS LIST and SAMPLE TEST ITEMS

FOR

PRACTICE TEST FOR MATHEMATICS, GRADE 6

(Test items developed for skills measured in TAKS03)

Skills

- | | | | |
|-----|---|-----|--|
| 1.0 | Understanding Numbers,
Operations, Quantitative
Reasoning | 4.0 | Measurement |
| 1.1 | Rational Numbers | 4.1 | Estimation |
| 1.2 | Solve Problems/Justifies
Solutions | 4.2 | Appropriate Units, Tools,
Formulas |
| 2.0 | Patterns, Relationships,
Algebraic Reasoning | 4.3 | Measure Angles |
| 2.1 | Proportional Relationships | 4.4 | Convert Measurement |
| 2.2 | Variables | 5.0 | Probability and Statistics |
| 2.3 | Equations | 5.1 | Predict |
| 3.0 | Geometry and Spatial Reasoning | 5.2 | Analyze Data |
| 3.1 | Geometric Terms | 6.0 | Problem Solving |
| 3.2 | Coordinate Geometry | 6.1 | Everyday Problems |
| | | 6.2 | Communicate Mathematical
Ideas |
| | | 6.3 | Make Conjectures/Verify
Conclusions |

Number of questions: 46

Number of pages: 9

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(OVER)

TAKS03 PRACTICE TEST IN MATHEMATICS - GRADE 6 FORM A

DIRECTIONS: Read each question and choose the correct answer.

SAMPLE

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. Joe jumped $25\frac{3}{4}$ feet in his first jump at the track meet. On the next jump, he jumped $1\frac{3}{4}$ feet further than he did on his first jump. How far did he jump on his second jump?

- A. $26\frac{1}{2}$
B. $27\frac{1}{2}$
C. $27\frac{3}{4}$
D. 28

2. Which letter represents $\frac{28}{5}$ in simplest form?

A. A A B C D
B. B
C. C
D. D

3. A bookstore is having a sale. Out of 200 books, 25% of the books are on sale, while the remaining books are at regular price. What is the ratio of books on sale compared to the books at regular price?

- A. 1:3
B. 3:1
C. 4:3
D. 1:2

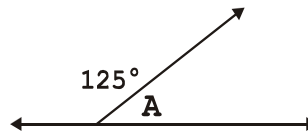
4. In a survey given to 100 pet owners, 24% of them bought their pets at a pet store. 42% of pet owners buy their pets from breeders. What is the ratio of pets bought from breeders compared to pets bought at a pet store?

- A. 2:4
B. 1:3
C. 7:4
D. 12:21

5. Jan bought 5 pounds of bananas for \$2.95. What was the cost per pound?

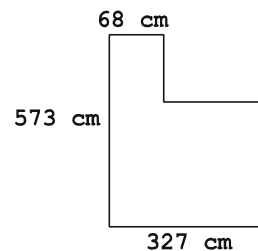
- A. \$0.49
B. \$0.59
C. \$0.65
D. \$0.69

6. Find the measure of angle A.



- A. 65 degrees
B. 55 degrees
C. 45 degrees
D. 35 degrees

7. James is making a fence to enclose his garden. How many meters are needed to make the fence?



- A. 7m
B. 9m
C. 12m
D. 18m