Praxis Core Math 5733 Mini Practice Test with Answers

Original Effortless Math practice. This is not an official exam form. Work carefully, then use the answer key and explanations to review.

How to use this mini test: complete the questions without notes, show enough work that you can explain your thinking, and score the page only after the full set is finished. A short practice test is most useful when it tells you what to study next.

Review targets: mark each missed question as arithmetic, algebra, geometry, data, graph reading, or word-problem setup. Then solve one similar problem before moving to a full-length practice test.

1. What is 1/5 as a percent?

A. 5%

B. 10%

C. 20%

D. 50%

2. Solve $7x = 84$.

A. $x = 11$

B. $x = 12$

C. $x = 13$

D. $x = 14$

3. A bar graph compares 12, 18, and 24 students. What is the range?

A. 6

B. 12

C. 18

D. 24

4. Area of a circle with radius 3 is closest to:

A. 9.4

B. 18.8

C. 28.3

D. 36

5. Which is equivalent to $5(x - 2)$?

A. $5x - 2$

B. $5x - 10$

C. $x - 10$

D. $3x$

6. Probability of heads on one fair coin flip:

A. 1/4

B. 1/3

C. 1/2

D. 1

7. If a class has 12 girls and 18 boys, girls are what fraction of the class?

A. 2/5

B. 1/2

C. 3/5

D. 12/18

8. Perimeter of a rectangle with length 10 and width 4:

A. 14

B. 20

C. 28

D. 40

Answer Key and Explanations

1. C - 1/5 = 0.2 = 20%.

2. B - 84 / 7 = 12.

3. B - 24 - 12 = 12.

4. C - Area = pi r^2 = 9pi, about 28.3.

5. B - Distribute 5.

6. C - One heads outcome out of two possible outcomes.

7. A - There are 30 students; 12/30 = 2/5.

8. C - Perimeter = 2l + 2w = 20 + 8 = 28.

Study Log

1. My strongest topic in this set was: _____

2. My weakest topic in this set was: _____

3. The mistake I need to stop repeating is: _____

4. The next topic I will practice is: _____

5. One problem I should solve again tomorrow is number: _____

A good review is not just checking letters. It is naming the skill, correcting the method, and proving that the next similar question can be solved without help.