

**North Carolina 5th Grade Math EOG-Style Practice Test**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. What is the value of the expression  $5 \times (8 + 3)$ ? A. 40 B. 55 C. 11 D. 35
2. What is 3,456 rounded to the nearest hundred? A. 3,400 B. 3,450 C. 3,500 D. 3,600
3. Which of the following is equivalent to  $\frac{3}{5}$ ? A.  $\frac{6}{10}$  B.  $\frac{9}{15}$  C.  $\frac{12}{20}$  D. All of these
4. Which number is a prime number? A. 9 B. 15 C. 13 D. 21
5. What is  $\frac{1}{2} + \frac{2}{3}$ ? A.  $\frac{3}{5}$  B.  $\frac{7}{6}$  C. 1 D.  $\frac{5}{6}$
6. What is 3.25 written as a fraction? A.  $\frac{13}{4}$  B.  $\frac{3}{4}$  C.  $\frac{25}{10}$  D.  $\frac{325}{100}$
7. What is the perimeter of a rectangle with length 8 cm and width 5 cm? A. 26 cm B. 40 cm C. 13 cm D. 20 cm
8. What is the volume of a cube with side length 4 cm? A.  $16 \text{ cm}^3$  B.  $12 \text{ cm}^3$  C.  $64 \text{ cm}^3$  D.  $32 \text{ cm}^3$
9. What is the product of 25 and 12? A. 300 B. 250 C. 275 D. 200
10. What is the area of a rectangle with length 7 cm and width 3 cm? A.  $10 \text{ cm}^2$  B.  $21 \text{ cm}^2$  C.  $24 \text{ cm}^2$  D.  $14 \text{ cm}^2$
11. What is  $\frac{4}{5} - \frac{1}{10}$ ? A.  $\frac{3}{5}$  B.  $\frac{7}{10}$  C.  $\frac{2}{5}$  D.  $\frac{1}{2}$
12. What is  $2.3 + 4.07$ ? A. 6.37 B. 6.27 C. 6.17 D. 7.3
13. Write 0.375 as a fraction. A.  $\frac{3}{8}$  B.  $\frac{1}{4}$  C.  $\frac{3}{4}$  D.  $\frac{5}{8}$
14. What is the greatest common factor of 18 and 24? A. 3 B. 6 C. 12 D. 18
15. What is the least common multiple of 4 and 5? A. 10 B. 20 C. 15 D. 25
16. What is 14.56 rounded to the nearest tenth? A. 14.5 B. 14.6 C. 15 D. 14.0
17. Multiply:  $3.2 \times 1.5$  A. 4.8 B. 5.1 C. 4.6 D. 4.95
18. Divide:  $12.6 \div 3$  A. 4.2 B. 3.2 C. 4.5 D. 4.1
19. What is the value of the digit 4 in 34,782? A. 4 B. 40 C. 400 D. 4,000
20. What is  $\frac{3}{4} \times \frac{2}{3}$ ? A.  $\frac{6}{12}$  B.  $\frac{1}{2}$  C.  $\frac{3}{8}$  D.  $\frac{6}{8}$
21. A spinner has 5 equal sections: 2 red, 1 blue, 1 green, and 1 yellow. What is the probability of landing on red? A.  $\frac{1}{5}$  B.  $\frac{2}{5}$  C.  $\frac{1}{2}$  D.  $\frac{1}{3}$
22. Which measurement is closest to 1 liter? A. A can of soda B. A large milk jug C. A drop of water D. A bathtub
23. Convert 3 feet to inches. A. 36 B. 24 C. 12 D. 30

24. A rectangular prism has length 6 cm, width 3 cm, and height 2 cm. What is its volume? A. 36  $\text{cm}^3$  B. 12  $\text{cm}^3$  C. 18  $\text{cm}^3$  D. 11  $\text{cm}^3$
25. What is the area of a square with side length 9 cm? A. 18  $\text{cm}^2$  B. 27  $\text{cm}^2$  C. 81  $\text{cm}^2$  D. 36  $\text{cm}^2$
26. Which expression represents "3 more than 4 times a number  $x$ "? A.  $3x + 4$  B.  $4x + 3$  C.  $4 + 3x$  D.  $3 + x4$
27. If  $x = 2$ , what is the value of  $5x + 3$ ? A. 13 B. 10 C. 11 D. 9
28. What is  $1.25 \div 0.5$ ? A. 2.5 B. 1.5 C. 2 D. 3
29. A triangle has angles measuring  $35^\circ$ ,  $65^\circ$ , and \_\_\_. What is the measure of the missing angle? A.  $70^\circ$  B.  $80^\circ$  C.  $90^\circ$  D.  $60^\circ$
30. What is the sum of the interior angles of a quadrilateral? A.  $180^\circ$  B.  $360^\circ$  C.  $90^\circ$  D.  $270^\circ$
31. Which figure always has four equal sides and four right angles? A. Rectangle B. Square C. Rhombus D. Trapezoid
32. A pattern increases by 3 each time: 2, 5, 8, \_\_\_. What is the next number? A. 10 B. 11 C. 12 D. 13
33. What is the median of 3, 7, 7, 8, 10? A. 7 B. 8 C. 7.5 D. 10
34. Find the mean of 5, 10, 15, and 20. A. 12.5 B. 13 C. 11 D. 10
35. What is  $3/4 - 1/8$ ? A.  $5/8$  B.  $1/2$  C.  $1/4$  D.  $3/8$
36. Which is a line of symmetry for a square? A. Diagonal B. Vertical C. Horizontal D. All of the above
37. If 2 notebooks cost \$5.00, how much do 5 notebooks cost? A. \$10.00 B. \$12.50 C. \$7.50 D. \$15.00
38. What is  $10^2$ ? A. 10 B. 20 C. 100 D. 1,000
39. Which expression is equal to  $6 \times (4 + 2)$ ? A.  $6 \times 4 + 2$  B.  $6 \times 6$  C.  $24 + 2$  D.  $6 + 4 \times 2$
40. What is the difference between 4.67 and 2.35? A. 2.42 B. 2.32 C. 2.52 D. 2.12