



National Qualifying Examination – Sample Exam (3rd Grade and Under)

Instructions – Mark the letter of the correct answer on the answer sheet or leave it blank. Correct answers are worth 2 points. Incorrect answers and questions left blank are worth 0 points.

Please note – This sample exam has 15 questions, but the qualifying exam given at regional competitions will have 35 questions.

1. What is 3,478 rounded to the nearest hundred?
A. 3,400
B. 3,500
C. 3,600
D. 3,480
2. What is the value of the digit 6 in 6,274?
A. 6
B. 60
C. 600
D. 6,000
3. A rectangle has opposite sides that are which of these?
A. Unequal
B. Equal
C. Curved
D. Angled
4. Sarah read 25 pages on Monday and 38 pages on Tuesday. How many pages did she read in total?
A. 53
B. 61
C. 63
D. 73
5. A square has a side length of 12. What is its area?
A. 24
B. 48
C. 72
D. 144
6. How many degrees are in a right angle?
A. 45°
B. 90°
C. 120°
D. 180°
7. Which number is a multiple of 9?
A. 24
B. 29
C. 45
D. 47
8. Lucy baked 48 cookies. She gave 12 to her friends. What fraction of the cookies did she give away?
A. $\frac{1}{2}$
B. $\frac{1}{3}$
C. $\frac{1}{4}$
D. $\frac{1}{5}$
9. What is the next number in this pattern? 5, 10, 15, 20, ...
A. 24
B. 25
C. 30
D. 35
10. A soccer game started at 2:15 PM and ended at 3:50 PM. How long did it last?
A. 1 hour 25 minutes
B. 1 hour 30 minutes
C. 1 hour 35 minutes
D. 1 hour 40 minutes
11. What is the product of 9 and 12?
A. 91
B. 100
C. 108
D. 112
12. Which is the best estimate of $198 + 203$?
A. 300
B. 350
C. 400
D. 450
13. Which is the largest fraction?
A. $\frac{3}{4}$
B. $\frac{5}{8}$
C. $\frac{2}{3}$
D. $\frac{7}{12}$
14. Which unit would be the best to measure the distance between cities?
A. Inches
B. Feet
C. Miles
D. Yards
15. A pizza is cut into 12 slices. If you eat 3, what fraction is left?
A. $\frac{1}{2}$
B. $\frac{3}{4}$
C. $\frac{2}{3}$
D. $\frac{1}{3}$