NYS Next Generation Learning Standards

Grade 4

Comprehensive Evaluation

Math topics assessed in this evaluation include:

OA:	Operations & Algebraic Thinking
NBT:	Number & Base Ten
NF:	Number & Fractions
MD:	Measurement & Data
G:	Geometry

Created by A.C.K. Academy.

1. NY-4.OA.1

Write a sentence that explains the equation $35 = 5 \times 7$ using the phrase "times as many."

2. NY-4.OA.2

Sarah has 4 apples. John has 3 times as many apples as Sarah. How many apples does John have?

3. NY-4.OA.3

A baker made 45 cookies and put them into bags of 6. How many full bags did he make, and how many cookies were left over?

4. NY-4.OA.4

List all the factor pairs for the number 24. Is 24 a prime or a composite number?

5. NY-4.OA.5

Look at the pattern: 2, 4, 8, 16... What is the rule for this pattern, and what is the next number?

6. NY-4.NBT.1

In the number 5,500, how many times greater is the value of the 5 in the thousands place compared to the 5 in the hundreds place?

7. NY-4.NBT.2

Write the number 4,302 in expanded form, and write a comparison using $>$, $=$, or $<$ to compare it with 4,203.

8. NY-4.NBT.3

Round the number 68,492 to the nearest thousand.

9. NY-4.NBT.4

Solve using the standard algorithm: $5,432 + 2,879$.

10. NY-4.NBT.5

Solve: 34×56.

11. NY-4.NBT.6

Solve: $4,521 \div 7$. What are the quotient and the remainder?

12. NY-4.NF.1

Using the principle $\frac{a}{b} = \frac{a \times n}{b \times n}$, generate a fraction that is equivalent to $\frac{3}{4}$.

13. NY-4.NF.2

Compare the fractions $\frac{2}{3}$ and $\frac{3}{5}$ using $>$, $=$, or $<$.

14. NY-4.NF.3

Decompose the fraction $\frac{5}{8}$ into a sum of unit fractions.

15. NY-4.NF.4

Multiply: $4 \times \frac{2}{3}$.

16. NY-4.NF.5

Express $\frac{3}{10}$ as a fraction with a denominator of 100, and then add it to $\frac{25}{100}$.

17. NY-4.NF.6

Write the fraction $\frac{45}{100}$ as a decimal.

18. NY-4.NF.7

Compare the decimals 0.45 and 0.60 using $>$, $=$, or $<$.

19. NY-4.MD.1

Convert 5 kilometers into meters.

20. NY-4.MD.2

Maria bought 3 pounds of apples for $2.00 per pound. If she paid with a $10 bill, how much change did she get back?

21. NY-4.MD.3

A rectangular garden has a length of 12 feet and a width of 8 feet. What is the area of the garden?

22. NY-4.MD.4

Look at these string measurements: $\frac{1}{4}$ inch, $\frac{1}{2}$ inch, and $\frac{1}{4}$ inch. What is their total length when added together?

23. NY-4.MD.5

Explain what an angle is and what unit is used to measure it.

24. NY-4.MD.6

Using a protractor, sketch an angle that measures exactly 45 degrees.

25. NY-4.MD.7

Two smaller angles combine to make a larger 90-degree angle. If one of the smaller angles is 30 degrees, what is the measure of the other angle?

26. NY-4.G.1

Draw a line segment and a pair of parallel lines.

27. NY-4.G.2

Describe the difference between a right triangle and an obtuse triangle.

28. NY-4.G.3

Draw a rectangle and draw all of its lines of symmetry.