COWICHAN VALLEY
School District

Math Screener

Grade Four

September 2026

COWICHAN VALLEY
School District

Grade Four

The Cowichan Valley Mathematics Assessment has been designed as a common formative assessment and universal screener for our district. Each grade level assessment is based on foundational skills from the prior year. The assessment is also designed to allow educators to use prior grade assessments to identify learning needs of students. The screener questions align directly with the identified foundational skills found in instructional resource documents for each grade. Access the documents here or use the QR code.

=The information gained from this tool will serve as a universal screener for our district's tiered instruction model. The data will inform individual, small group, and class instruction. It will also help identify patterns of instructional needs in a class, school or across the district as we work to ensure students master these foundational skills.

Each fall, classroom teachers and school teams will work together to identify each student's strengths and needs with foundational mathematics skills. Teachers are encouraged to administer the assessment in **small sections** during the first eight weeks of the school year.

The Mathematics Assessment has been designed in partnership with teachers across our district with the following foundational principles:

1. Aligned with curriculum standards from the previous grade
2. First Peoples Principles of Learning
3. Assessment *with* and *for* our learners; not *to* our learners

In addition, teachers are invited to paraphrase directions to align with classroom language, use classroom materials (concrete materials, dry erase boards, multiplication charts) and administer the assessment in small parts. Students must have access to specific accommodations as outlined on their IEP. In math this could include calculator.

In addition, teachers are invited to paraphrase directions to align with classroom language, use classroom materials (alternate concrete materials, dry erase boards, flash cards), and administer the assessment in small parts.

Each grade level screener is an inventory of skills and does not represent the full, complex set of skills necessary for proficiency in mathematics. Our district's Numeracy Framework provides more in- depth information, instructional resources, and intervention strategies.

The Grade Four assessment is a written response format. Teachers are encouraged to do follow-up interviews when clarification is needed. To enter scores, teachers will input data into the dashboard. The scoring sheet is attached for ease of entry.

Thank you to all the teachers who were involved in the creation of these screeners. Your tireless service to your colleagues and the children of the district is very appreciated.

COWICHAN VALLEY School District

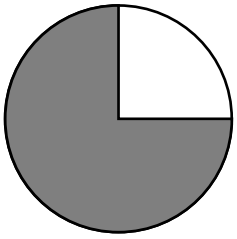
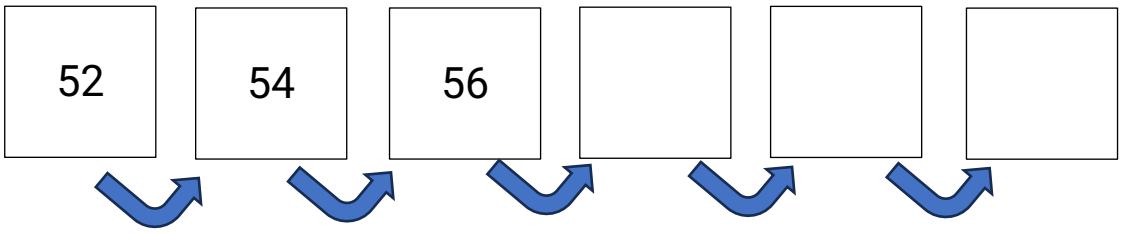
Grade Four Math Screener

Name: _____ **Date:** _____

Number Sense

Number Identification	
1	Write the number your teacher says. A. _____ C. _____ B. _____ D. _____
Place Value	
2	What is the value of the underlined digit? 3̲41 (ex. 3**5̲**2 = 50) _____
3	What is the place of the underlined digit? 19̲3 (ex. **3̲**42= hundreds or 100s) _____

COWICHAN VALLEY School District

Ordering	
4	Order these numbers from least (smallest) to greatest (biggest). 711 605 714 709 _____ _____ _____ _____
Fractions	
5	Shade $\frac{1}{4}$ of the shape. 
6	What fraction of the shape is shaded grey?  _____
Patterning	
7	Continue the pattern by writing the next number in the box. 

COWICHAN VALLEY School District

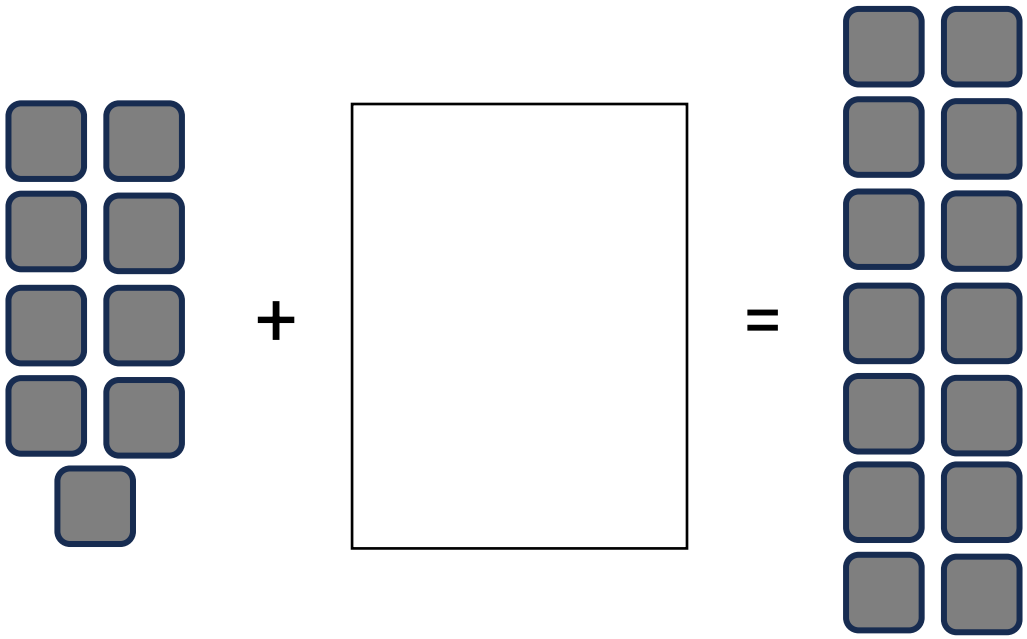
Computational Fluency

Addition	
8) 52 + 23	9) 493 + 186
Subtraction	
10) 49 − 15	11) 668 − 473

COWICHAN VALLEY School District

Multiplication	
12	Draw a picture to show how you would solve this question. 4 X 6 =
Division	
13	Draw a picture to show how you would solve this question. 15 ÷ 3 =

COWICHAN VALLEY School District

Solve for Unknown	
14	Draw a picture in the box below to finish the equation 
15	Write the number that would complete the equation (what number is behind the box?) 5 + ☐ = 19
16	15 − ☐ = 8

COWICHAN VALLEY School District

Grade 4 Math Screener: Scoring Page for Dashboard Entry

Student Name: _____

	Questions	
Number Identification	Q. 1	____/4
Place Value	Q. 2 & 3	____/2
Ordering	Q. 4 – All correct 2, 2 wrong = 1	____/2
Fractions	Q. 5 & 6	____/2
Patterning	Q. 7	____/3
Addition	Q. 8 & 9	____/2
Subtraction	Q. 10 & 11	____/2
Multiplication	Q 12	____/1
Division	Q. 13	____/1
Solve for Unknown	Q. 14, 15, 16	____/3

COWICHAN VALLEY School District

Number Sense – Answer Key – Grade Four

Question #	Answers
1	Use these numbers; 78, 113, 40, 906
2	300
3	Tens or 10s
4	605, 709, 711, 714
5	Roughly one quarter is shaded.
6	$\frac{3}{4}$
7	58, 60, 62

Computational Fluency – Answer Key – Grade Four

8	75
9	679
10	34
11	195
12	Student needs to show understanding using a pictorial representation; writing 24 as a straight answer is not enough. Encourage students that submit with only the number to go back and show understanding
13	Student needs to show understanding using a pictorial representation; writing 24 as a straight answer is not enough. Encourage students that submit with only the number to go back and show understanding
14	5 squares drawn
15	14
16	7