

Math Screener

Grade Five

September 2025

Grade Five

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 screener is divided into a **possible six sections**: Number identification and Place Value; Ordering and Decimals; Fractions; Addition and Subtraction; Multiplication and Division; and Solving for an Unknown

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 (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 Five 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.

Grade Five Math Screener

Name: _____

Date: _____

Number Sense

<i>Number Identification</i>	
1	Write the number your teacher says. A. _____ C. _____ B. _____ D. _____
<i>Place Value</i>	
2	What is the value of the underlined digit? 1 <u>3</u> 90 _____
3	What is the place of the underlined digit? <u>9</u> 356 _____

Ordering

4 Order the numbers from least (smallest) to greatest (biggest).

3028

2764

2746

7829

Decimal Ordering

5 Order the decimal numbers from least (smallest) to greatest (biggest).

2.50

3.09

4.44

3.71

Decimals6 What is the value of the underlined number? 10.23

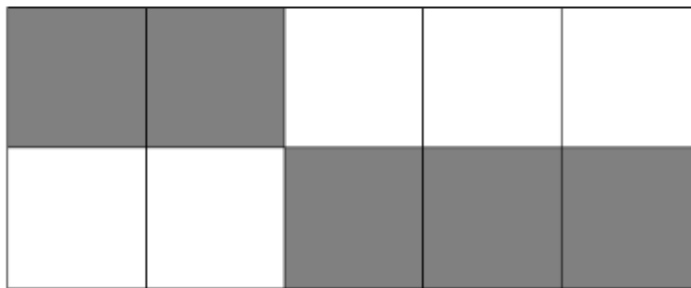
7 What is the place of the underlined number? 5.49

Fractions

8 Shade $\frac{3}{4}$ of the shape.



9 What fraction of the diagram is shaded?



10 Order the fractions from least (smallest) to greatest (biggest).

$$\frac{2}{4}$$

$$\frac{1}{4}$$

$$\frac{3}{4}$$

Patterning

11 Fill in the missing numbers at the start and end of the pattern.

2

4

8

16



Math Screener

Computational Fluency

<i>Addition and Subtraction – Whole Numbers</i>	
12) $4854 + 3237 =$	13) $7846 - 3485 =$
<i>Addition and Subtraction – Decimals</i>	
14) $5.61 + 2.32 =$	15) $8.95 - 3.42 =$

Multiplication

16) $37 \times 5 =$

17) $647 \times 4 =$

Division

18) $95 \div 5 =$

19) $578 \div 2 =$

Solving for an Unknown

20. What is the value of n?

a) $3 + n = 9$ $n = \underline{\hspace{2cm}}$

b) $12 - n = 4$ $n = \underline{\hspace{2cm}}$

21. What number goes in the box?

a) $6 \times \boxed{} = 30$

b) $18 \div \boxed{} = 9$

Grade 5 Math Screener: Scoring Page for Dashboard Entry

Student Name: _____

Number Identification	___/1
Place Value	___/2
Ordering	___/1
Decimal Ordering	___/1
Decimals	___/2
Fractions	___/3
Patterning	___/1
Addition: Whole numbers	___/1
Subtraction: Whole number	___/1
Addition: Decimals	___/1
Subtraction: Decimals	___/1
Multiplication: Whole Numbers	___/2
Division: Whole Numbers	___/2
Solving for an Unknown	___/2



Math Screener

Number Sense – Answer Key – Grade Five

Question #	Answers
1	98, 327, 1006, 5 020
2	300
3	Thousands or 100s
4	2746, 2764, 3028, 7829
5	2.50, 3.09, 3.71, 4.44
6	0.03 or 3 hundredths
7	Tenths or 0.1s
8	About three quarters of rectangle is shaded
9	$\frac{1}{2}$ or $\frac{5}{10}$
10	$\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$
11	32, 64

Computational Fluency – Answer Key – Grade Five

Question #	Answers
12	8091
13	4361
14	7.93
15	5.53
16	185
17	2588
18	19
19	289
20	a) 6; b) 8
21	a) 5; b) 2