# **BC Performance Standards**



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## **Numeracy in Grade 2**

n Grade 2, many mathematical activities involve numeracy. Students are expected to apply mathematical concepts and skills to realistic and engaging problems or tasks provided by their teachers.

Often, all or part of the numeracy activity is completed collaboratively. When students do work independently, they have had many previous opportunities to observe and complete similar tasks with the support of the teacher and peers. The following briefly describes typical Grade 2 numeracy tasks. For quick reference, these have been grouped according to purpose. In fact, a single numeracy task or problem may address several purposes.

#### **MONEY TASKS**

- After reading a story about caps for sale, choose two caps from a list and use paper coins to show how much each would cost.
- Use paper coins to buy real animal crackers of various prices—first one, then two, then three—showing their change each time.
- Identify and use coin cut-outs to record money needed for own drink order in two ways. Compare number of coins used in each way, choose one combination, and explain choice.

#### CHANCE TASKS

 Use spinners, dice, or coins to make predictions and play simple games.

#### DATA ANALYSIS

- Graph the daily weather, then draw conclusions and make predictions.
- Collect, tally, and interpret data; draw conclusions; and make predictions from real classroom activities such as drink orders.
- Ask a question, collect data, create a graph, and draw conclusions.
- After collaborating to create a graph or pictograph showing height or hand size of girls and boys in the class, individually record conclusions and predictions.

#### MEASUREMENT AND OTHER APPLICATIONS OF SHAPE AND SPACE

 Choose, estimate, measure, and record linear measurement of classroom objects using three measuring tools—a ruler, a metre stick, and a measuring tape.

- Use non-standard measures to determine how much pop or milk to order for a classroom party.
- Choose an activity and estimate time for completion. Use an analogue clock to record starting time. Conduct activities and record time elapsed, then compare actual time taken to estimates.

Whenever possible, numeracy tasks should arise naturally from classroom activities and interests. Often, students can help to discover and create numeracy problems for themselves and their classmates. In most cases, these tasks involve a series of steps or stages and will require an extended amount of time. Relatively short questions with a single correct procedure and answer are not appropriate for performance assessment.

## **Quick Scale: Grade 2 Numeracy**

This Quick Scale is a summary of the criteria described in detail in the Rating Scale that follows. These criteria may apply at any time of the year, depending when specific skills or concepts are introduced.

Aspect	Not Yet Within Expectations	Meets Expectations (Minimal Level)	Fully Meets Expectations	Exceeds Expectations
SNAPSHOT	The student may be unable to complete the task in a reasonable amount of time without one-to-one help.	Most parts of the basic task are correct; some errors or omissions. The student may have difficulty explaining the result. May need some assistance.	In familiar situations, the student completes all parts of the basic task accurately and can explain the result. May need occasional consultation.	The student completes all parts of the task accurately and efficiently and explains the result. May develop an extension or alternative method.
CONCEPTS AND APPLICATIONS* • recognizing mathematics • grade-specific concepts, skills • estimates, predictions	<ul> <li>has difficulty seeing the relevance or application of mathematics to everyday problems</li> <li>needs one-to-one support to select and apply appropriate processes</li> <li>estimates and predictions are often guesses or wishes; may be very illogical</li> </ul>	<ul> <li>if prompted, identifies ways to use mathe- matics in problems similar to those previously encountered</li> <li>in simple, familiar situations, can select and apply most appropriate processes; some errors</li> <li>in familiar situations, most estimates and predictions are within the bounds of logic</li> </ul>	<ul> <li>with some support, identifies ways to apply mathematics to everyday problems</li> <li>in familiar situations, selects and applies appropriate processes to solve simple problems; minor errors</li> <li>in familiar, relatively simple situations, estimates and predictions are logical</li> </ul>	<ul> <li>may independently find ways to apply mathematics to everyday problems</li> <li>selects and applies appropriate processes to solve simple problems; efficient</li> <li>makes logical estimates and predictions in both familiar and unfamiliar situations</li> </ul>
STRATEGIES AND APPROACHES • procedures • estimates to verify solutions	<ul> <li>requires extensive support to follow modelled procedures and complete tasks</li> <li>unable to verify answers</li> </ul>	<ul> <li>attempts to follow modelled procedures; may confuse order</li> <li>needs help to verify answers; estimates may be illogical</li> </ul>	<ul> <li>follows modelled procedures</li> <li>with prompting, verifies answers or results with estimation or a calculator</li> </ul>	<ul> <li>follows modelled procedures; may find an alternative or shortcut</li> <li>may independently verify answers or results</li> </ul>
ACCURACY • recording, calculations	<ul> <li>often includes major errors in recording or calculations</li> </ul>	some recording or calculation errors	<ul> <li>recording and calculations are generally accurate; may be minor errors</li> </ul>	<ul> <li>recording and calculations are generally accurate; may use mental math</li> </ul>
REPRESENTATION AND COMMUNICATION • representing numbers • explaining procedures, results	<ul> <li>work may be unclear, confusing, or presented in an inconsistent format</li> <li>unable to explain or demonstrate how to complete the task</li> </ul>	<ul> <li>work is generally clear; may be confusing to follow in some places</li> <li>with prompting, repeats some basic explanations given by the teacher</li> </ul>	<ul> <li>work is generally clear, easy to follow; may be messy in places</li> <li>repeats explanations or demonstrations given by the teacher</li> </ul>	<ul> <li>work is clear, easy to follow</li> <li>explains processes and results in own words; demonstrates strategies and processes used</li> </ul>

\* You may want to list key curriculum concepts or skills for a particular task.

## **Rating Scale: Grade 2 Numeracy**

These criteria may apply at any time of the year, depending when specific skills or concepts are introduced. \*

Aspect	Not Yet Within Expectations	Meets Expectations (Minimal Level)
SNAPSHOT	The student may be unable to complete the task in a reasonable amount of time without one-to- one help.	The student completes most parts of the basic task correctly, if the task resembles one recently completed in class. However, work is flawed or incomplete in some way, and the student may have difficulty explaining the result. May need some assistance.
CONCEPTS AND APPLICATIONS** • recognizing mathematics • grade-specific concepts, skills • estimates, predictions	<ul> <li>has difficulty seeing the relevance or application of mathematics to everyday problems</li> <li>needs one-to-one support to select and apply appropriate rules, operations, tools, or methods to solve simple problems (e.g., may be unable to choose appropriate measuring tool and use it correctly; may not know when to add or subtract)</li> <li>estimates and predictions are often guesses or wishes; may be very illogical</li> </ul>	<ul> <li>with prompting, identifies ways to apply mathematical skills to everyday problems that are similar to those previously encountered in class (e.g., money, measurement, chance)</li> <li>in simple, familiar situations (i.e., those recently modelled in class), selects and applies most appropriate rules, operations, tools, or methods to solve simple problems (e.g., choose appropriate measuring tool and use it correctly; decide when to add or subtract); some errors</li> <li>in familiar situations, most estimates and predictions are within the bounds of logic; may need prompting to use number and spatial sense and to recognize patterns</li> </ul>
STRATEGIES AND APPROACHES • procedures • estimates to verify solutions	<ul> <li>requires extensive support to follow modelled procedures and complete all parts of the task</li> <li>unable to verify the answer by using estimations or calculators</li> </ul>	<ul> <li>attempts to follow modelled procedures, but may confuse order or make an inappropriate choice</li> <li>needs help to use estimation or a calculator to verify the answer; independent estimations may be illogical</li> </ul>
ACCURACY • recording, calculations	<ul> <li>often includes major errors in recording or calculations</li> </ul>	some recording or calculation errors
REPRESENTATION AND COMMUNICATION • representing numbers • explaining procedures, results	<ul> <li>work may be unclear, confusing, or presented in an inconsistent format</li> <li>unable to explain or demonstrate how to complete most or all parts of the task</li> </ul>	<ul> <li>work is generally clear; may be confusing to follow in some places</li> <li>with prompting, repeats some explanations or demonstrations the teacher has given about parts of the task</li> </ul>

\* Student performance that falls within the wide range of expectations for Grade 2 generally matches the Level 2 descriptions in the reference set Evaluating Mathematical Development Across Curriculum.

\*\*Some of the curriculum concepts and skills students are expected to apply in completing numeracy tasks are specific to the type of task. The shaded charts below the Rating Scale show some of the concepts and skills most likely to apply in Grade 2.

#### MONEY TASKS

Typical money tasks at this level involve manipulatives (stampers, paper cut-outs, or real coins).

- skip count
- use coins and bills to solve simple money problems
- use dollars and cents signs

#### CHANCE TASKS

- with support, describe the likeliness of an outcome and make predictions when observing or replicating simple probability experiments
- use terms such as likely, unlikely, fair chance, probably

Fully Meets Expectations		Exceeds Expecta	tions	
	In familiar situations, the student completes all parts of the basic task accurately and can explain the result. May need occasional consultation.		The student completes all parts of the task accurately and efficiently and explains the result. May develop an extension or alternative method.	
<ul> <li>with some support, identifies ways that concepts and skills can be used to solve (e.g., money, measurement, chance, dat</li> <li>in familiar situations, selects and applie operations, tools, or methods to solve s (e.g., chooses appropriate measuring to correctly; knows whether to add or sub</li> <li>in familiar, relatively simple situations, r estimates and predictions using number and recognition of patterns</li> </ul>	e everyday problems a questions) s appropriate rules, imple problems ool and uses it tract); minor errors nakes logical	<ul> <li>everyday proble</li> <li>selects and appl methods to solve appropriate mea whether to add</li> <li>in both familiar a estimates and propriot</li> </ul>	ntly find ways to apply mathematics to ms ies appropriate rules, operations, tools, o e simple problems (e.g., chooses asuring tool and uses it correctly; knows or subtract); efficient and unfamiliar situations, makes logical redictions using number and spatial nition of patterns	
<ul> <li>follows modelled procedures</li> <li>with prompting, verifies answers or respectively and the section of a calculator</li> </ul>	<ul> <li>with prompting, verifies answers or results by using</li> </ul>		d procedures; may find an alternative ortcut ntly verify answers or results by using ns, estimation, or a calculator	
<ul> <li>recording and calculations are generally accurate, but may include minor errors</li> </ul>			alculations are generally accurate; math to arrive at a correct answer	
<ul> <li>work is generally clear and easy to follo places</li> <li>with minimal prompting, repeats expla strations the teacher has given for all o</li> </ul>	nations or demon-		l easy to follow es and results in own words; rategies and processes used	
• contribute questions modelled on	MEASUREMENT • estimate, measure		OTHER APPLICATIONS OF SHAPE AND SPACE	

<ul> <li>contribute questions modelled on those suggested by the teacher or previously investigated by class</li> <li>suggest attributes or categories for collecting or sorting data</li> <li>collect and record first-hand data using a recording format provided by the teacher</li> <li>sort data</li> <li>construct bar graphs and pictographs using a template provided</li> </ul>	• use basic measurement and comparison terms (e.g., <i>more than</i> ,	<ul> <li>AND SPACE</li> <li>describe, compare, and sort shapes and objects</li> <li>construct designs</li> </ul>
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### Sample 1: Drink Day Data (Data Analysis)

#### CONTEXT

This school periodically has a drink-order day when students are able to choose, order, and pay for healthy drinks. This provided the teacher with an opportunity to have students collect first-hand data. Students had previous classroom experience with tallying, creating a bar graph from a tally, and predicting outcomes based on results.

#### MATHEMATICAL CONCEPTS

- actively collect first-hand data
- record data using tallies
- display data on a bar graph
- discuss data, communicate conclusions, and make predictions

#### PROCESS

The teacher had students collect first-hand data from their drink orders, tally the results, interpret the data, and make predictions based on gender.

Students filled out their individual drink order forms and then worked in groups of four or five girls or boys to make a group tally sheet of drink orders. All the boys in the class met in the carpeted meeting area, and the teacher made a master tally sheet. Then she met with all the girls and made a master tally sheet for them. Students worked individually to use the information from the master tally sheets to make bar graphs.

The teacher discussed the results with the class as a whole and then had students write individual responses in their math journals. Students were also asked to make predictions based on the results.

#### **NOT YET WITHIN EXPECTATIONS**

#### **Teacher's Observations**

This student was unable to complete all parts of the task, even with one-to-one support throughout. She was unable to tally correctly and required assistance to construct the bar graph. With prompting, she was able to make some simple correct interpretations from the accurate data on another student's graph.

- needs one-to-one support to select and apply appropriate methods to solve simple problems
- requires extensive support to follow modelled procedures and complete all parts of the task
- includes major errors in recording
- work is unclear, confusing

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

ORDERS IN BY: Tuesday, January 19	DRINK DAY
Glazzed Donuts x 50 50 Checolate Milk x 80 50 While Milk x 80 50 Hagele Jalco x 80 Crange Julico x 80 Crange Julico x 80 Total Main: Please excite thange. One form per child Please excite thange. Please excite thange. Main: Please excite than please point that a.m. in Main: Please excite that please point that please please point that please pleas	
Tally of Drinks	
Chocolate Milk	

DRINK TALLY ACTIVITY 1. WHAT DID YOU LEARN FROM THE GRAPHS? Choudle Milk More Boyslik Choudleffe milk WHO NEEDS TO KNOW THIS INFORMATION? 2. BC4S FOR 3. PREDICT WHAT MRS. MORRISON S GRADE TWO CLASS WOULD PICK? A BOY IN HER CLASS\_ A GIRL IN HER CLASS\_

#### **MEETS EXPECTATIONS (MINIMAL LEVEL)**

#### **Teacher's Observations**

This student required some assistance at various points in the task. He made several errors in constructing the bar graph. However, he was able to make simple but accurate interpretations and his prediction was logical and based on the data.

- in simple, familiar situations, selects and applies most appropriate methods to solve simple problems; some errors
- in familiar, relatively simple situations, makes logical estimates using recognition of patterns
- attempts to follow modelled procedures, but confuses order and makes an inappropriate choice
- some recording errors
- work is generally clear; confusing in some places

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

ORDERS IN BY: Tuesday, Ja	inuary 19		DRINK DAY	1
STUDENT:				
DIV.		3		LITE
Chocolate Milk x	.60 (	(MILK)		
White Milk x	.60 08.	Contraction of the second seco		
Apple Juice x	.eo <u>604</u>	S MILK		
Orange Juice x	.60 00.	8		
Total Note: Plases environe exact che	604		1	
One form per child Please use plastic bag pr		1		
avoid lost money. If you can help count money on We				
January 20, we would like to see yo Recey 9.	ie at \$100 a.m. in			
Harden W.		4		
Tall of	Drinks	l:		
Tally of	Drinks	1		
,				
		9		
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Chocolate Milk		D .		
White Milk		D .		
White Milk		0		
White Milk		0		
White Milk		0		
White Milk		0		
Chocolate Milk White Milk Apple Juice Orange Juice		0		

OTere are more girls then boys. Q toar mom and dad need to Know this They will have chocolate milk. D more pople like chocolate milk betta 5) some people like white milk a little.

#### **FULLY MEETS EXPECTATIONS**

#### **Teacher's Observations**

This student worked independently. Her bar graph is somewhat untidy, but the information is accurate. Her interpretation and predictions are logically based on the data.

- in familiar situations, selects and applies appropriate methods to solve simple problems
- in familiar, relatively simple situations, makes logical estimates and predictions using recognition of patterns
- follows modelled procedures
- recording is generally accurate
- work is generally clear and easy to follow; messy in places

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

DRINK DAY	DRINK DAY
DIV.	
Choocelate Milk X .60 White Milk X .60 Apple Julice X .60 Orange Julice X .60 Orange Julice X .60 Total Hota: Please enclose each change. One form per child Please use plastic bag provided to avoid form from y de Wednesday, January 20, we would like to see you at 5000 a.m. in Recent 6.	
Tally of Drinks	
White Milk Apple Juice Orange Juice	
and the second second	chinate wite apple atom

poys girls 0 10 1 other pepole -p no what you how mach others like, So if, who likes who you like to girls like choolet have a grink milk the most its on the QYour mom and table wating Dad need to no this, A party for your @ Your Parints heeds to no. OIF a girl need to no this, O I five came in I predict she brang a boy would pick into the chocolate milk class he wo

#### **EXCEEDS EXPECTATIONS**

#### **Teacher's Observations**

This student worked confidently and efficiently to construct his bar graph and answer the questions. His explanation of results and his prediction are logically based on the data and show insight.

- selects and applies appropriate methods to solve simple problems; efficient
- makes logical predictions, using number sense and recognition of patterns
- follows modelled procedures
- recording is accurate
- work is clear and easy to follow
- explains processes and results in own words

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

DRINK DAY ORDERS IN BY: Tuesday, January 19	DRINK DAY
SIUDENT:	
DIV	25
Annu	22
	p)
Chooolate Milk x .60 60	19
White Mik x .60	
Apple Julce x .60  Orange Julce x .50	
Total 607	
Note: Please exact change. One form per child	B
Please use plastic bag provided to	19
avoid lost money. If you can help count money on Wednesday, January 20, we would like to see you at \$100 a.m. In	
Room 8.	12
Tally of Drinks	9
hocolate Milk	i
/hite Milk	5-
pple Juice	4.
range Juice	3
	A

What did you learn trom learned these grap that most people in QUY like chocolate milk Class White one person! dur class likes white wilk gints like chocolate milk more then the boys. 2. Your Mom and Dad nceo to know this to SIOM YOU Np. Mrs. Millens class 3.I bet pick choco would

## Sample 2: Drink Orders (Money)

#### CONTEXT

Note: In the class, this activity immediately followed Sample 1 (Drink Day Data).

This school periodically has a drink day when students are able to choose, order, and pay for healthy drinks. Students had previous classroom practice identifying and using coins in mixed amount to \$1.00.

#### MATHEMATICAL CONCEPTS

- identify and use coins to count and create equivalent sets
- read and write both forms of money notation—89¢ and \$0.89

#### PROCESS

Students were asked to fill out their drink order forms and record the total owing. They were given coin cut-outs and asked to show two different ways they could pay for their drink orders. They pasted their answers on the template provided by the teacher. (Note: Students could use coin stampers instead of paper cut-outs.) The students were then asked to consider the number of coins used, choose the combination of coins they would prefer to use, and explain their choices.

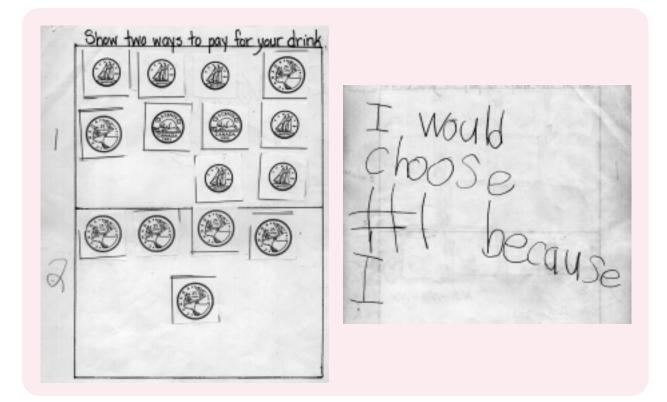
#### **NOT YET WITHIN EXPECTATIONS**

#### **Teacher's Observations**

Although this student had one-to-one assistance, she was unable to arrive at correct totals. She did not complete the second part of the task.

- needs one-to-one support to select and apply appropriate methods to solve simple problems
- requires extensive support to follow modelled procedures and complete all parts of the task
- includes major errors in recording or calculation

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				



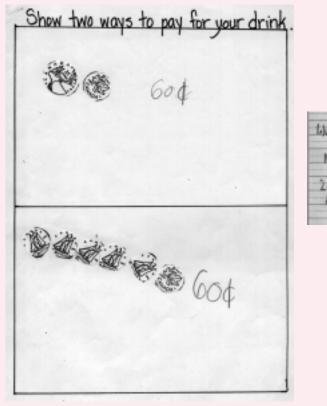
#### **MEETS EXPECTATIONS (MINIMAL LEVEL)**

#### **Teacher's Observations**

This student worked independently. Although both her answers are incorrect, she was able to tell the teacher that she meant to use two quarters and a dime in the first case and six dimes in the second case. Her explanation is reasonable.

- in simple, familiar situations, selects and applies most appropriate operations or methods to solve simple problems; some errors
- attempts to follow modelled procedures
- needs help to use estimation or a calculator to verify the answer
- work is generally clear





Wam ber	two	has	the	most cains.
Number	one	haî	fhe	least coins.
220 I was	id us	e one finde	be	cautespit hould

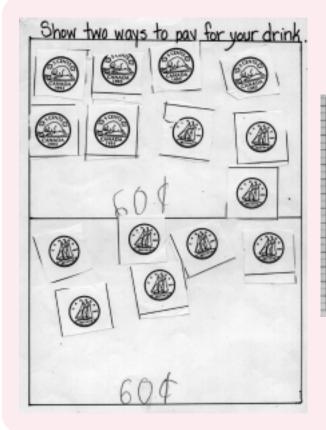
#### **FULLY MEETS EXPECTATIONS**

#### **Teacher's Observations**

This student provided two correct answers and gave a logical explanation.

- in familiar situations, selects and applies appropriate operations or methods to solve simple problems
- follows modelled procedures
- recording and calculations are accurate
- work is generally clear and easy to follow

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				



Which has the most coins
and the last? Number one has
the most coincand number
two has the least. Which way
would you use? I would
pick number two? Why? So it
would be easy to count.
would be easy to count.

#### **EXCEEDS EXPECTATIONS**

#### **Teacher's Observations**

This student found the task too easy and deliberately set out to make her samples illustrate the least-and most-possible coins, although she subsequently decided against pasting 60 pennies. She worked confidently and efficiently. Both answers are accurate, and the explanation is logical.

- may independently find ways to apply mathematics to everyday problems
- selects and applies appropriate operations or methods to solve simple problems; efficient
- follows modelled procedures; finds alternative procedures
- recording and calculations are accurate
- work is clear and easy to follow



3	thow tw	e ways	to pay	for your	drink.	Number two has the most coins. Number one has the less coins.
					04 ©	D Number one is the one typelle uses. Becase it has three clains. So it is even to count out.

## Sample 3: Measuring Objects in the Classroom (Measurement)

#### CONTEXT

Students had previously practised strategies for estimating length and strategies for using rulers, meter sticks, and measuring tapes correctly. They had also talked about which tool would be the best choice to measure various kinds of objects.

#### MATHEMATICAL CONCEPTS

- estimate, measure, record, compare, and order objects, using standard units
- select the most appropriate standard unit for measuring length
- relate the size of units to the number of units needed when measuring
- read and write numerals

#### PROCESS

Students were asked to estimate the length of five items in the classroom, choose an appropriate measuring tool (ruler, metre stick, or measuring tape), and measure the objects. Students were given a chart on which to record the following information: their estimates, the tools they used, and their actual measurements. Then they were asked to use their actual measurements to list the objects from shortest to longest. They were also asked to explain how they got their answers and what they found out from the activity.

#### **NOT YET WITHIN EXPECTATIONS**

#### **Teacher's Observations**

This student required one-to-one help throughout the task. Several estimates are illogical, and some measurements are inaccurate. He was unable to accurately order the objects by size.

- needs one-to-one support to select and apply appropriate tools and methods
- estimates are often guesses
- requires extensive support to follow modelled procedures and complete all parts of the task
- major errors in recording
- unable to explain or demonstrate how to complete the task

that I measured	What tool	My entir ate	macourement
owne	ruler	5cm	Bar
train	to pe met	18cm	38c1
chain	tabe inein	18cm	521
Story	tape meti	Bam	g gcm
computer	stick	20cm	4Bci
List from smallest to b	shair		nimento
train	name		
I got my answer by: Could Fing in Cr	n,		-
I found out that:	s nond fai	r the	story

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

#### **MEETS EXPECTATIONS (MINIMAL LEVEL)**

#### **Teacher's Observations**

This student had difficulty making logical estimates, but was able to choose appropriate measurement tools and accurately measure and order objects by size. The explanation simply restated the task.

- with prompting, identifies ways to apply mathematical skills to everyday problems that are similar to those previously encountered in class
- in simple, familiar situations, selects and applies most appropriate methods
- estimates are often guesses
- attempts to follow modelled procedures
- work is generally clear
- with prompting, repeats some explanations the teacher has given about parts of the task

hat I measured	What tool	My estimate	My
Mrs. G.	Fape	50 CH	165c
Our magnet ch	and tope measure	99cm	125
My chair	tope	Horm	8500
My hair	rular	aden	660
My eraser	raler	200	acn
Myeraser			
<u>OWC megnet ch</u> I got my answer by	-	stuff a	rawd
.I get my answer by t	E	stuff a	rawd
<u>OWC meynet ch</u> I get my anawer by	measureing s	stuff a	eraser

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

#### **FULLY MEETS EXPECTATIONS**

#### **Teacher's Observations**

This student's estimates are reasonably logical, except for the largest object. He was able to choose appropriate measurement tools and measure accurately. He made one error in recording units (m instead of cm for the door). He accurately ordered objects by size and was able to explain his work in simple terms.

- with some support, identifies ways that mathematical concepts and skills can be used to solve everyday problems
- in familiar situations, selects and applies appropriate methods to solve simple problems
- in familiar, relatively simple situations, makes logical estimates using number and spatial sense
- follows modelled procedures
- recording is generally accurate, but includes minor errors
- work is generally clear and easy to follow
- with minimal prompting, repeats explanations the teacher has given for the task

What I measured	What tool	estimate	My
Myfelt	+Sikm	De.	17cm
boor	a meterstil	1000	200
Myhand	tage	5c.m	Itcm
abook	Pulen	15	23cm
Mileg	tap	19	25cm
List from ampliest to I			port
hand hat y kg I get my answer by s	doon	-	1
10	door	-	

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

#### **EXCEEDS EXPECTATIONS**

#### **Teacher's Observations**

This student's estimates are logical. She initially estimated the diameter of the soccer ball, but measured the circumference when she had difficulty finding a method to measure the diameter accurately. She chose appropriate measurement tools, measured accurately (to a fraction in one case), and recorded her results accurately and with the correct units throughout. She was able to explain her work in her own words, including her choice of tools.

- selects and applies appropriate methods to solve simple problems
- makes logical estimates, using number and spatial sense
- follows modelled procedures; finds an alternative procedure
- recording is generally accurate
- work is clear and easy to follow
- explains processes and results in own words

	Not Yet	Meets	Fully	Exceeds
SNAPSHOT				
CONCEPTS				
STRATEGIES				
ACCURACY				
REPRESENTATION				

Measurement			
What I measured	What tool	entimate	Hy measurement
desk width	Meterstik	97.	6Dem
_Soucer ball	tape	21m	67cm.
pop can	tape	2/0	22.
whist	tape	19cm,	Ban
chalk brush	rulen	11cm	121/20
List from amaliest to biggest. <u>chalk brush wrist</u> pop can <u>desk width soccerball</u>			
I get my answer by: I poking at the "My measurement" baxes and seeing with one is the biggest and smallest			
I found out that: that some things you need to use con ruler some you need to use meter stick and some things you need to use tape			
mrasurr.			

GRADE 2 NUMERACY