

Unit 0 on Moodle (Gr5-8 Review)
ESSENTIAL SKILLS FOR ACADEMIC

Teacher: Mrs. N. Kowalewski

Name: _____

Moodle Username: _____

Password: _____

ESSENTIAL SKILLS is a required component of this course and is worth 5% of the final mark. The mark will be comprised of a series of quizzes on individual topics and a final test on all the material covered. This component of the course is independent and to be completed online.

Students will

1. enrol in Moodle

- go to <http://notredamecss.ca/moodle/index.php>
- if you have never used moodle, click Create new account in the login box in the top right corner and follow the directions
- once you have an account, click on “MFM 101 – Essential Skills for Academic” and enrol [enrolment key: math is fun]

2. complete each lesson and accompanying quiz required each day it is assigned

- lessons/quizzes may be redone up to 3 times; the best mark will be recorded
- it is recommended that students have paper and a pencil for rough work

HW list

Name: _____

Essential Skills Record – 10 QUIZ questions in each topic

		TOPIC	ATTEMPT 1 MARK	ATTEMPT 2 MARK	ATTEMPT 3 MARK
BASIC SKILLS					
DAY 1	1.	Weighted Averages			
	2.	Number Sets			
	3.	Symbols & Words			
	4.	Prime & Composite Numbers			
	5.	Exponents & Scientific Notation			
	6.	Square Roots (missing $\sqrt{\quad}$)			
	7.	Order of Operations			
INTEGERS & COORDINATES					
DAY 2	1.	Introduction to Integers			
	2.	Adding & Subtracting Integers			
	3.	Multiplying & Dividing Integers			
	4.	Order of Operations with Integers			
	5.	The Cartesian Plane			
FRACTIONS					
DAY 3	1.	Introduction to Fractions			
	2.	Adding & Subtracting Fractions			
	3.	Multiplying & Dividing Fractions			
	4.	Order of Operations with Fractions			
DECIMALS, RATIO, RATE & PERCENT					
DAY 4	1.	Decimal Basics			
	2.	Rounding			
	3.	Ratios & Proportions			
	4.	Rates			
	5.	Percents			
PROBLEM SOLVING					
DAY 5	1.	Evaluating Expressions			
	2.	Solving Equations			
	3.	Translating English to Math			
	4.	Problem Solving Plan			

HW list

Name: _____

Unit 0 – Review of grade 5-8 math

#	DAY	TOPIC	HW ASSIGNED	QUIZ			
1	1	Basic Skills	Moodle Quizzes 7 topics	/70			
2	2	Integers & Coordinates	Moodle Quizzes 5 topics	/50			
3	3a	Fractions	Moodle Quizzes 4 topics	/40			
4	4a	Percent, Decimals, Ratio, Rate	Moodle Quizzes 5 topics	/50			
5	5a	Eqtn & Problem Solve	Moodle Quizzes 4 topics	/40			
					SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
6	3b	More Fractions -intro & mult/div	Fractions1 1 st worksheet: 1,2,3,4,5,6,7,8,9,10,11 6,7,8,9,10,11 2 nd worksheet: 1,2,3,4,5,6,7,8,9,10,11				/41
7	3c	More Fractions -add/subt & mix	Fractions2 1 st page: 1,2,3,4,5,6,7,8,9,10,11 2 nd page: 1,2,3,4,5,6,7,8,9,10,11 12,13,14,15,16,17,18,19				/30
8	4	Translate Word Problems	PuzzleEquationWordProbTranslate 1,2,3,4,5,6,7,8				/8
9	5b	Operations without Calculators	NoCalc Part9: 1,2,3,4,5,6,7,8,9,10,11,12,13,14 15,16,17,18,19,20 Part10: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 Part 11: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15				/50
10	5c	Visual Mathematics	Catch up on above				
11		EQAO practice					

Unit 1 – Algebra

#	DAY	TOPIC	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	1	Exponent Laws	ExponentsSimplifyExpressions 1,2,3,4,5,6,7,8,9,10 11,12,13,14,15,16,17,18,19,20			/20
2	2	Zero & Neg Exponents	PuzzleNegZeroPowers partA: 1,2,3,4,5,6,7,8,9,10,11,12,13 partB: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15			/28
3	3	All Exponent Laws	ExponentsReviewAll 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100			/68
4	4	Polynomials	AlgebraPolynomials 1 st page: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100 2 nd page: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100			/29
5	5	Distributive Property	AlgebraDistribute 1 st page: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100 2 nd page: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100			/16
6	6	Algebra meets Geometry	PuzzleAlgebraWithGeometry 1S,O,I,2S,D,A,3E,S,Q,4R,W,R			/12
7		EXTEND to gr10 (Foil, GCF)	2puzzlesFOIL&GCF 1 st puzzle: S,A,E,W,O,A E,A,L,E,O,H M,T,K,H,L,V 2 nd puzzle: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100			/33
8		EQAO practice				

HW list

Name: _____

Unit 2 – Equations

#	DAY	TOPIC	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	1a	Evaluate & Check Answers	CheckAns&Evaluate 1 st page: a,b,c,d,e,f 2 nd page: M,A,N,T,E,R			/12
2	1b	Multi Step Equations	2puzzlesMultiStepEqtn 1 st puzzle: 1,2,3,4,5,6,7,8,9,10,11,12 13,14,15,16,17,18,19,20,21 2 nd puzzle: a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p			/37
3	2	Equations with Fractions	PuzzleEquationFractions 1 st column: G,I,O,S,A,E 2 nd column: M,B,R,N,F,T			/12
4	3	Mix Practice	SolveEqtn 1abcde fghijklm,2,3abc			/17
5	4a	Formulas	RearrangeFormulas 1,2,3abcde fgh,4abcde fghij			/20
6	4b		RearrangeFormulas2 1,2abcd,3abcde fgh			/13
7	5a	Word Problems Translate	WordProblems 1 st page: 1,2,3,4,5,6 2 nd page: 1,2,3,4,5,6,7,8,9,10,11,12			/18
8	5b	Money	WordProblemsMoney 1 st page: 1,2,3,4,5,6 2 nd page: 1,2,3,4,5,6,7,8			/14
9	5c	Percent	WordProblemsPercent 1 st page: 1,2,3,4 2 nd page: 1,2,3,4,5			/9
10		EQAO practice				

Unit 3 – Model

#	DAY	TOPIC	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	1	Linear & Nonlinear Relations	LinNonLin1stDiff 1abcd,2abcd,3,4			/10
2	2	Slope	Slope2points&VertHoriz 1ab,2abc,3abcde f			/11
3	3a	Distance Time Graphs	DistTimeGraphInvestigate 1abcde fghi,2abc,3abc			/15
4	3b		DistTimeRate 1,2abcde f,			/7
5	4a	Linear Relation	Rate&InitialValue 1ab,2ab,3ab,4ab,5ab,6ab,7ab,8abcde fgh 9abcde fg,10abcde fg,11			/37
6	4b		EquationOfLineGraph+mb 1,2,3,4abcde,5abc,6ab			/13
7	5	Direct & Indirect Variation	TypesOfVariation 1abcde fghijkl,2abcde,3abcde f,4abc,5ab			/28
8	6a	Word Problems	LinRelRepManyWays 1abcde f,2,3,4,5			/10
9	6b		ModelWithGraphsApplications 1abcd,2abcde,3abcde,4,6,7abcde f,8abcde			/27
10		EQAO practice				

HW list

Name: _____

Unit 4 – Linear Relations

#	DAY	TOPIC	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	1	3 forms of Linear Equations	LinStandardForm 1abcd,2abc,3abc,4abc			/13
2	2a	Find Equations	LinFindEqtnM&pt 1abcd,2ab,3			/7
3	2b		LinFindEqtn2pts 1ab,2abcd			/6
4	3a	Graphing Lines	GraphLines3methods 1,2ab,3abcd,4,5,6,7,8,9,10,11,12			/16
5	4a	Special Types of Lines	Parallel&PerpendicularLines 1abcdef,2,3,4,5abc,6,7,8abcd			/18
6	4b		Horizontal&VerticalLines 1abcd,2abcd			/8
7	5a	Linear Systems	LinSys 1abcde,2abcd,3abcd,4			/14
8	5b	Word Problems	PuzzleLinSysMakeEqual 1,2AB,3AB,4AB,5AB,6AB,7AB			/13
9		EQAO practice				

Unit 5 – Data

#	DAY	TOPIC	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	1	Misleading Graphs, Vocab & Scale	DataScaleScatterTrendPredict 1abcd,2abcdefg,3abcdef			/17
2	2a	Scatter Plots & Line Of Best Fit	DataLineOfBestFit 1abcdefg,2abcdefg,3abc			/18
3	2b		DataTrendInterExtrapolate 1abcdef,2abcdefg			/13
4	3a	Experiment as a class	DataLineCurveInterExtrapolate 1abcdefg,2abcdefghi			/16
5	3b	Groups	WordProblemsWithPercent 1,2,3,4,5abcdefg			/12
6		EQAO practice				

Unit 6 – Geometry

#	DAY	TOPIC	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	1a	Properties of Shapes	GeometryShapes 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16 17,18,19,20,21,22,23,24,25,26,27			/27
2	2a	Properties of Intersecting Lines	GeometryAnglesBtwLines 1,2,3,4,5,6,7,8,9,10,11,12			/12
3	2b	All	GeometryMix 1 st page: 1,2,3,4,5,6,7,8,9,10,11,12 2 nd page: 1,2,3,4,5			/17
4	3	Geometry with Algebra	GeometryWithAlgebra a,b,c,d,e,f,g,h,i,j,k,l			/12
5	4a	Investigations	InvestigationOfShapes			
6		EQAO practice				

HW list

Name: _____

Unit 7 – Measurement

#	DAY	TOPIC	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	1	Pythag	2PuzzlesPythagoreanWithWord 1 st puzzle: 1A,B,C,D,2,3,4A,B,5,6,7 2 nd puzzle: 1A,B,C,D,23,4,5,6,7			/20
2	2	Perimeter & Area	PRACTICEperimeterArea Part A: 1abcdef,2ab,3,4ab Part B: 1abc.2acb.3abc			/20
3	3a	Nets SA & V	MeasurementSAcompoundShapes 1,2,3,4,5,6			/6
4	3b		MeasurementVcompoundShapes 1,2,3,4,5,6			/6
5	4a	Applications	MeasurementReviewAll 1,2,3,4,5,6,7			/7
6	4b		MeasurementWordProbV&SA.pdf 1abc,2,3abc			/7
7	5	Max/Min	InvestigationMaxMinHandsOn OR InvestigationMaxMinWorksheet			
8		EQAO practice				

REVIEW

#	HW ASSIGNED	SHOWED STEPS? OR NOT COUNT	CHECKED ANSWERS? OR NOT COUNT	PUT SUBTOTALS ON EACH PAGE?
1	ProgressCheckWordProbPercent&Other 1,2,3,4,5abcd,6abc,7ab,8,9,10,11,12			/18
2	ProgressCheckAlgebraSolve 1abcdef,2ab,3ab4abcde,5ab,6,7, 8abcd,9abc,10			/30
3	ProgressCheckExpPolynFormulas 1abcde,2abcde,3abc,4abc,5abc,6, 7ab,8abcde,9abc,10ab,11,12,13			/42
4	ProgressCheckModel 1,23ab,4abcd,5ab,6,7,8abcde,9ab,10ab			/23
5	ProgressCheckLinEqtn 1,2,3ab,4ab,5abc,6,7,8,9,10,11,12abc, 13,14,15ab,16ab			/24
6	ProgressCheckData 1,2ab,3abcde,4abcd,5abcd,6abcd			/23
7	ProgressCheckGeometry 1abcde,2,3,4,5abcde,6,7,8,9			/21
8	ProgressCheckMeasurement 1ab,2ab,3,4,5ab,6abc,7,8ab			/14