

Unit 2: Permutations				
2.00	Prerequisite Skills			
Learning Goals	I know how to use fractions and decimals.	1	2	3
	I know how to recognise number patterns.	1	2	3
	I know how to use the order of operations.	1	2	3
	I know how to evaluate and simplify expressions.	1	2	3
	I know how to draw diagrams to represent outcomes.	1	2	3
2.10	Organised Counting			
Learning Goals	I can make lists, charts and tree diagrams to organise counting.	1	2	3
2.20	The Fundamental Counting Principle			
Learning Goals	I can use the fundamental counting principle for counting and problem solving.	1	2	3
2.30	Permutations and Factorials			
Learning Goals	I see how using permutations have advantages over other counting techniques.	1	2	3
	I can solve simple problems using techniques for counting permutations.	1	2	3
	I can write permutation solutions using proper mathematical notation.	1	2	3
2.40	The Rule of Sum			
Learning Goals	I can use the rule of sum to solve counting problems.	1	2	3
2.50	Solving Probability Problems Using Permutations			
Learning Goals	I can solve probability problems using counting principles for situations with equally likely outcomes.	1	2	3
2.60	Review			
2.65	Extra Review (if necessary)			
2.70	Test			

After each lesson grade yourself from one to three on each learning goal based on the criteria below. This will help you to build a review plan for the end of unit assessment.

- 1. I need extra help with this concept**
- 2. I need more practice with this concept**
- 3. I can teach this concept to someone else**

Unit 2 – Permutations

2.00 – MHR Page 62 #s 1 – 16

2.10 – MHR Page 67 #s 1 – 4, 6, 7, 10, 12 & 13

2.20 – MHR Page 73 #s 1 – 11, 13, 15, 16 & 21

2.30 – MHR Page 80 #s 1 – 10

2.40 – MHR Page 86 #s 1 – 4, 6 & 7

2.50 – MHR Page 93 #s 1, 3, 4, 8 & 9

2.60 – MHR Page 96 #s 1, 3 – 5, 7, 9, 10 & 12 – 14

2.65 – MHR Page 98 #s 1 – 13

2.70 – **TEST – Permutations**