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Know our Whenua

Aotearoa, New Zealand

Resource Sheet

Student Name: _____

Class Name: _____

Date Completed: _____

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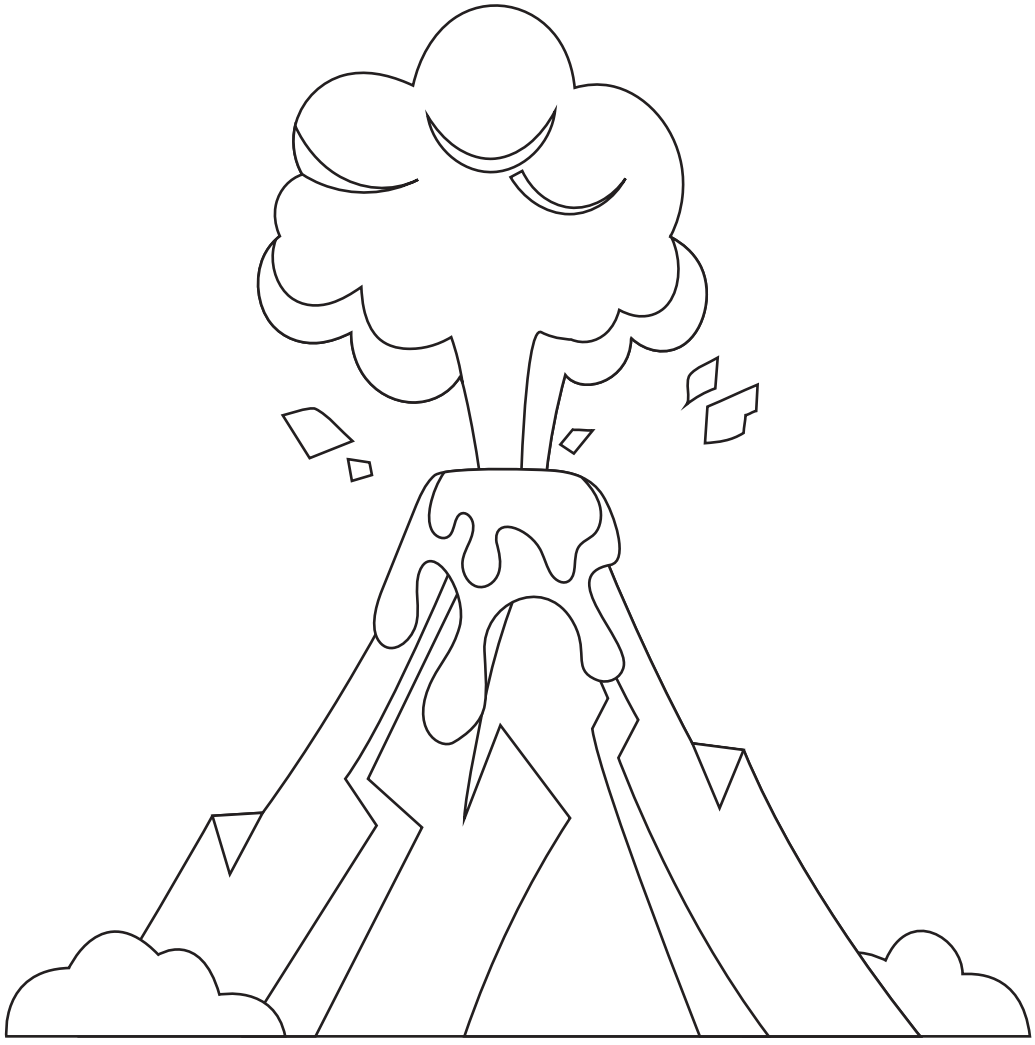
NZ Geography – Volcanoes

Volcano	Elevation	Last Erupted
Ngāuruhoe		
Mayor Island		
Taranaki		
Tarawera		
Tongariro		
Ruapehu		
White Island		



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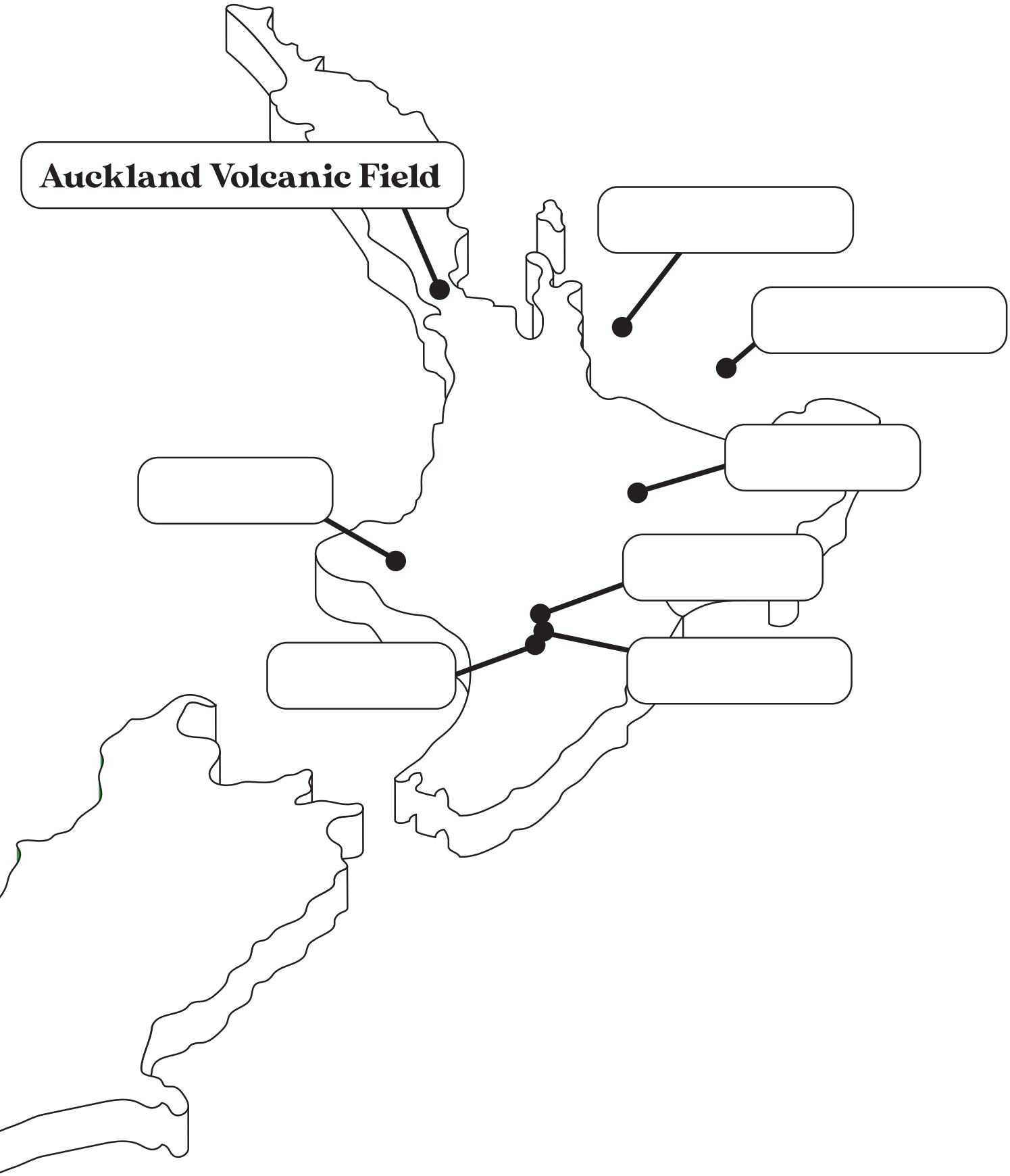
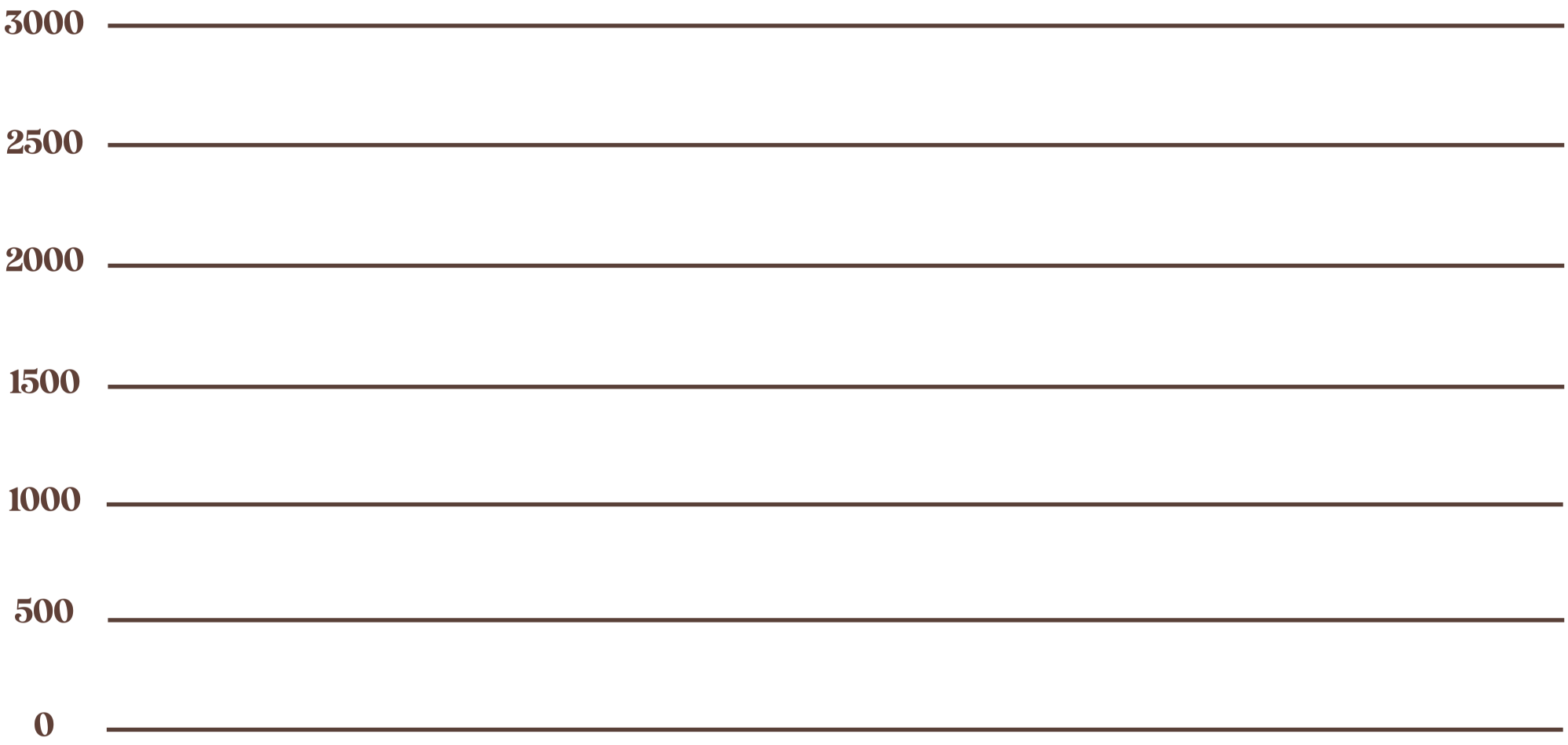
Fill in the names of the missing volcanoes



Complete the Graph for Volcanoes Elevation



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NZ Geography - Road Trip

(Teachers) Print out multiple copies of each (pages 7-10) and cut out each shape. Create zip lock bags full of each shape - rotated square, circle, hexagon, triangle). Each bag of shapes is then a resource for your students to tesselate, and investigate efficiency of packing (how many could you fit on an A4 page. Once students find the most efficient shape (largest number that can fit on an A4 page), and the least efficient shape (Smallest number on an A4 page), extension students could then investigate the maths (calculate total area of shapes, total area of an A4 page, percent of wastage in each scenario).

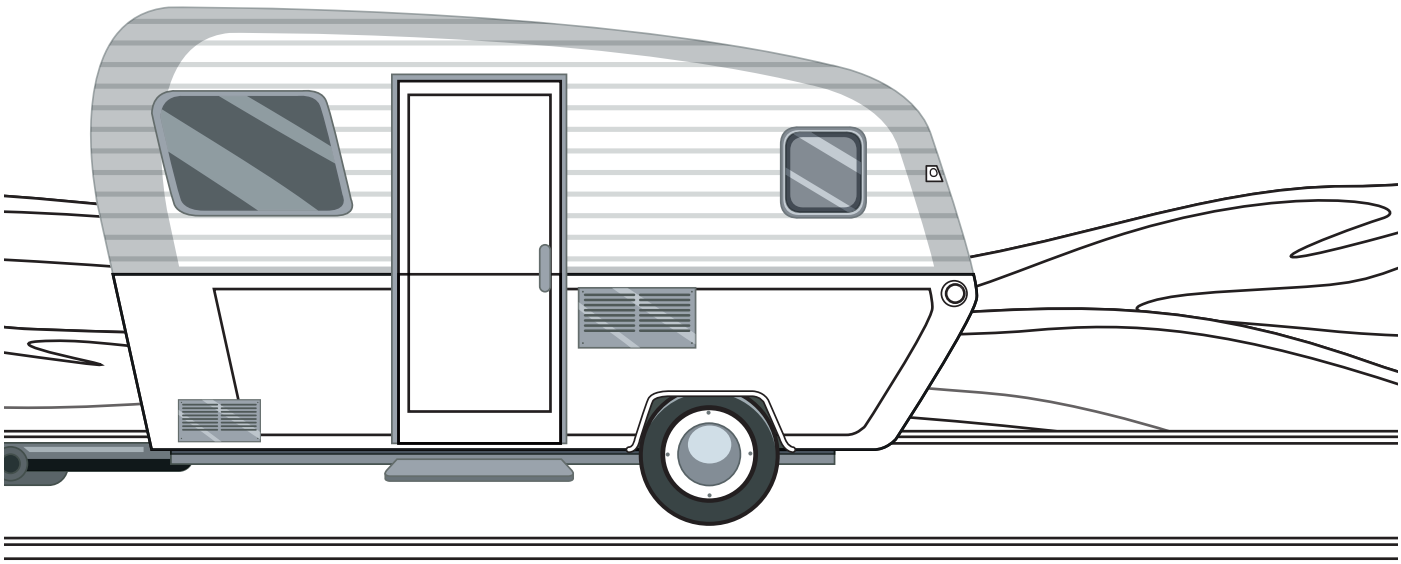
Road signs (pagse 5-6)

1. Shapes - name them.
2. Signs - colour them in.
3. Signs - name them.

Road signs (pages 7-10)

A road sign maker wants to work out how much it will cost to produce each type of sign. As such they want to have the minimum amount of wastage as possible.

1. Tessellation - how many of each shape can fit on an A4 page?
2. Draw a tessellation pattern from your selected shape.
3. Which shape created the most wastage?
4. Which shape creates the least wastage?
5. Extension - look at the maths behind efficiency of packing - areas of shapes.



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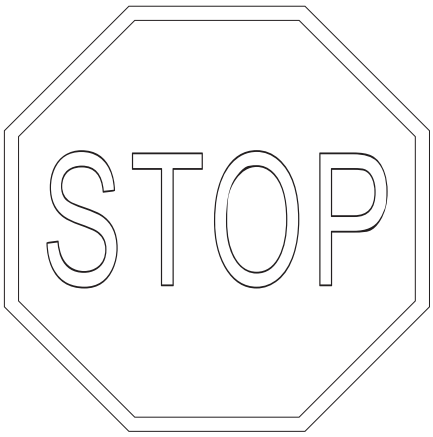
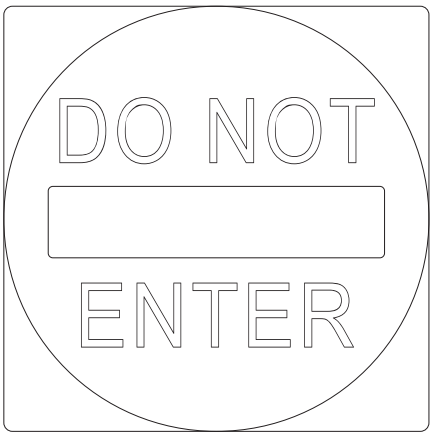
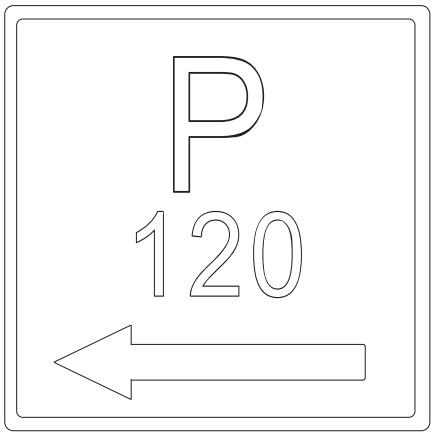
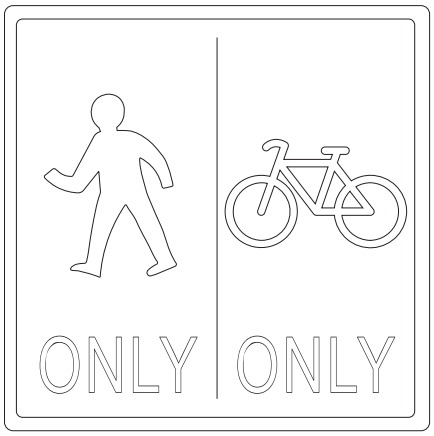
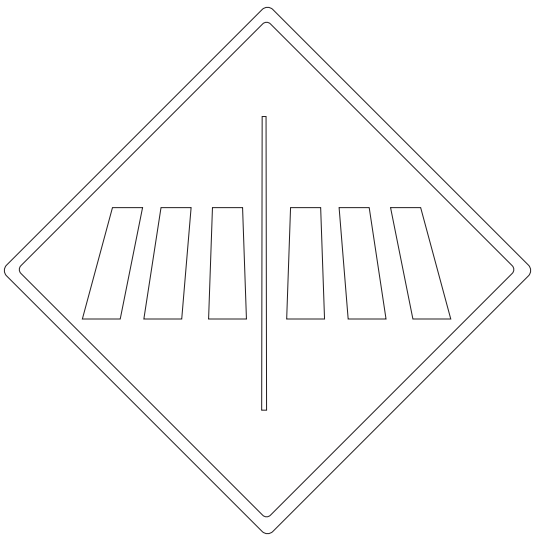
Road Trip – Road Signs

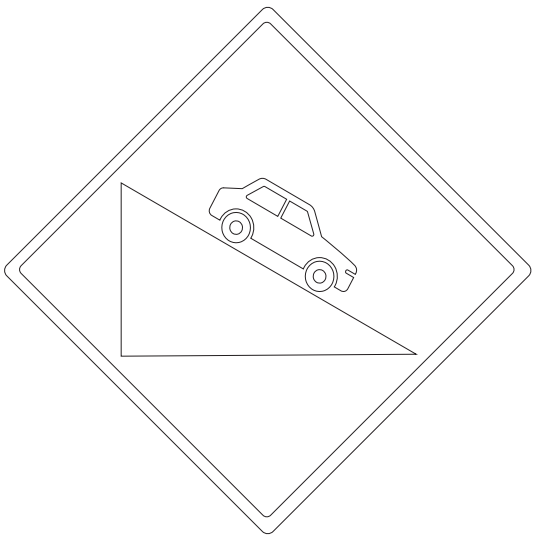












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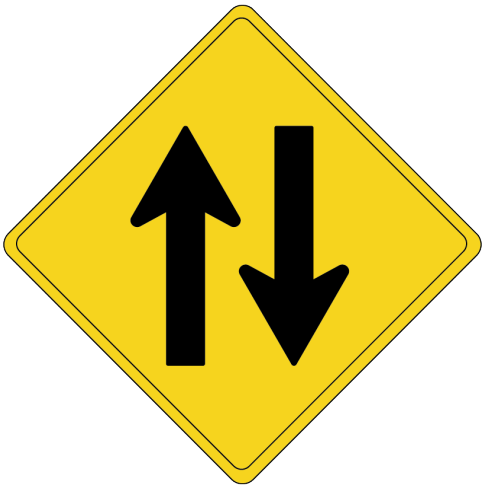
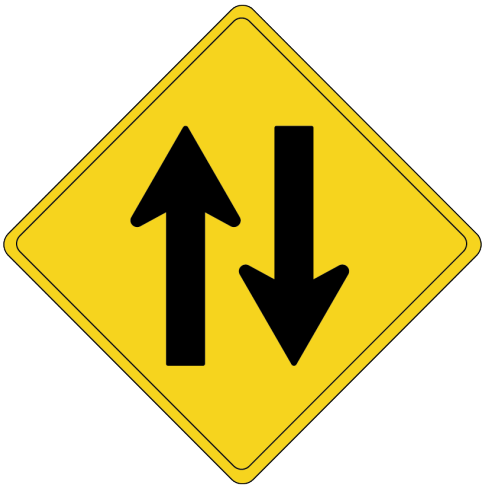
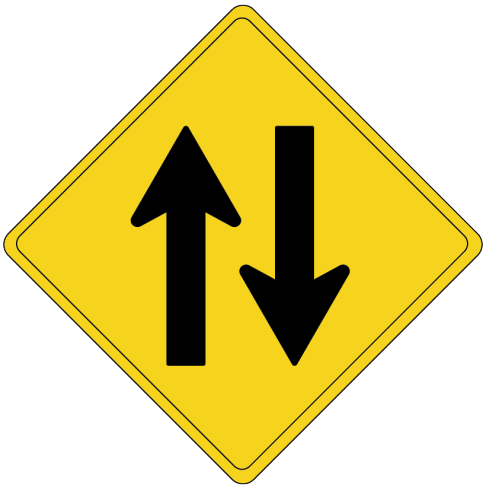

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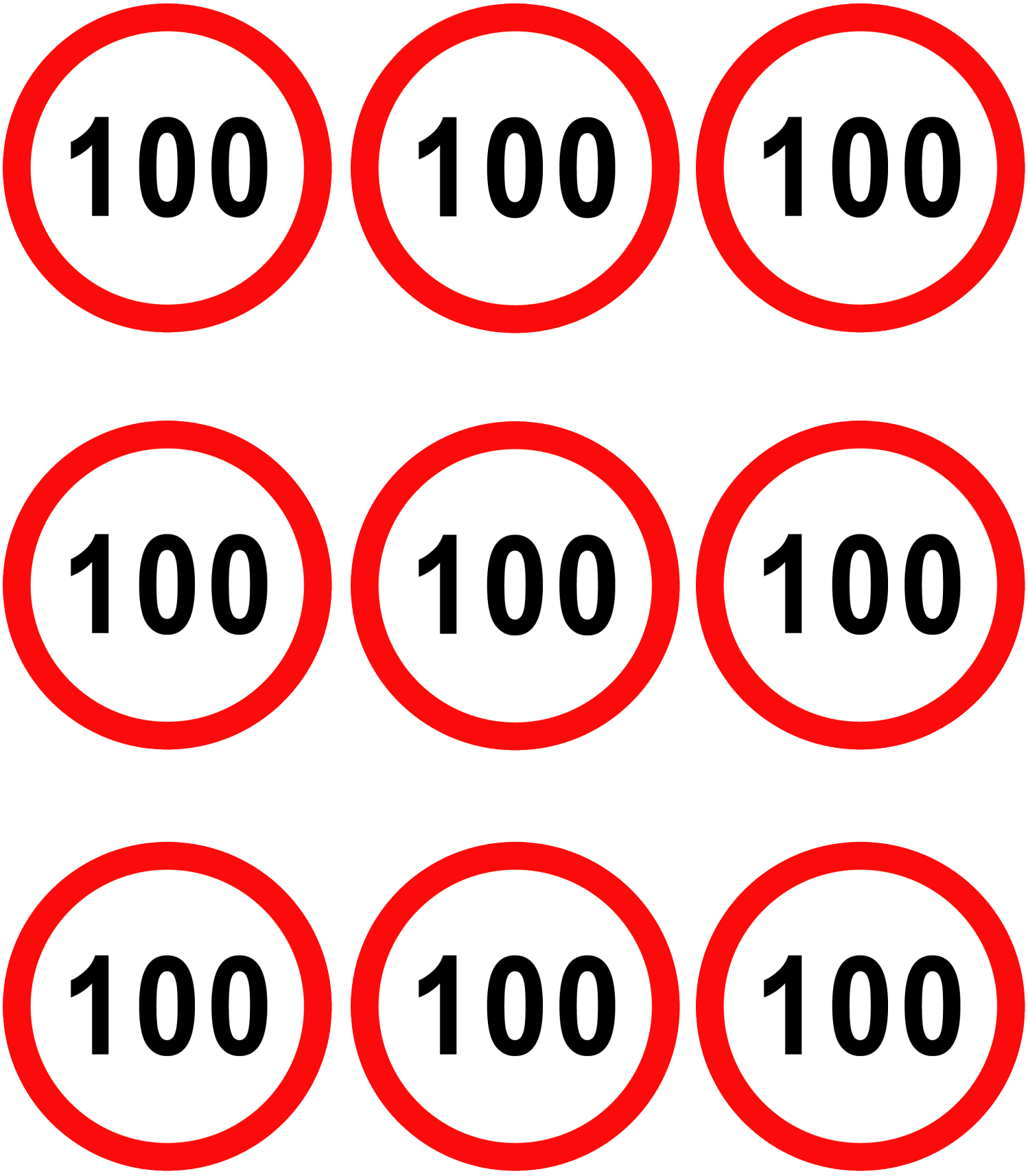

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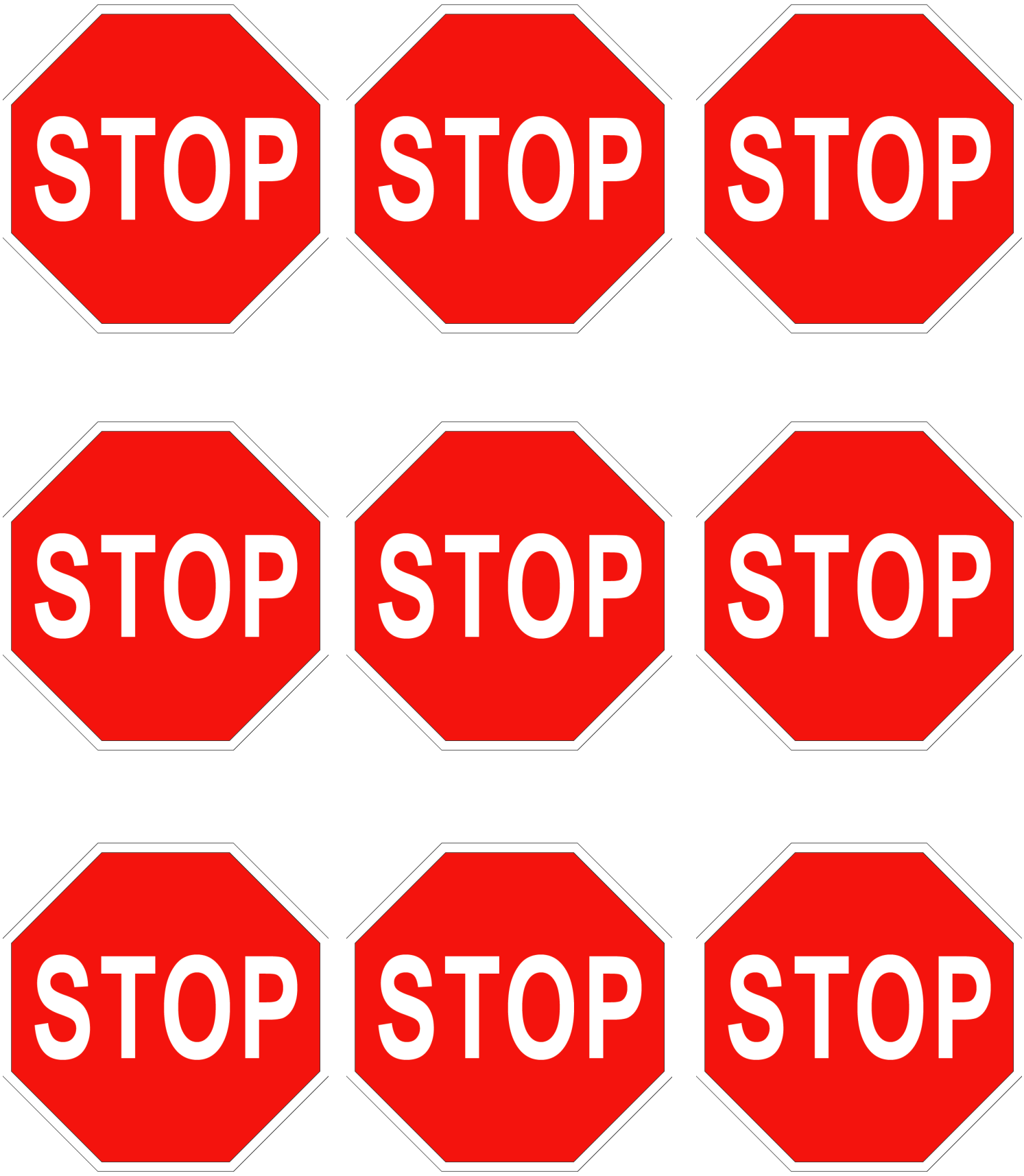

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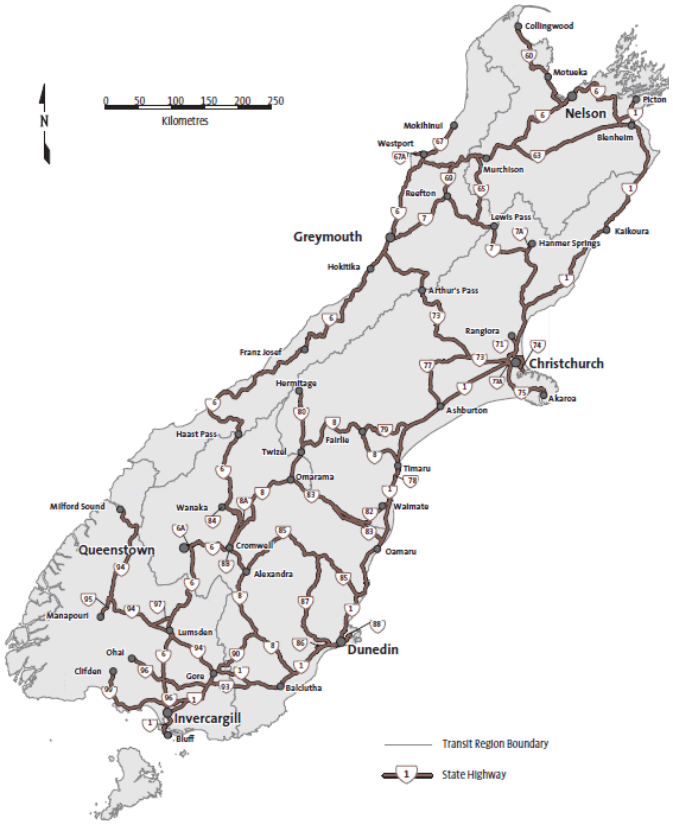
Road Trip – Places



SOUTH ISLAND DISTANCES

	CHRISTCHURCH	DUNEDIN	FOX GLACIER	FRANS JOSEF	INVERCARGILL	KAIKOURA	MILFORD	MT COOK	NELSON	PICTON	PUNAKAIKI	QUEENSTOWN	TE ANAU	WANAKA
CHRISTCHURCH		361	418	395	579	183	771	330	417	336	302	487	650	428
DUNEDIN	361		540	563	217	545	410	319	790	698	595	281	289	276
FOX GLACIER	418	540		23	552	573	655	300	492	554	244	381	537	264
FRANS JOSEF	395	563	23		575	550	678	498	469	531	221	404	560	287
INVERCARGILL	579	217	552	575		762	278	444	1003	915	813	187	152	285
KAIKOURA	183	545	573	550	762		956	514	245	157	382	669	835	607
MILFORD	771	410	655	678	278	956		568	1145	1108	904	300	121	380
MT COOK	330	319	300	498	444	514	568		747	687	554	270	426	202
NELSON	417	790	492	469	1003	245	1145	747		110	246	850	1024	809
PICTON	336	698	554	531	915	157	1108	687	110		308	822	988	773
PUNAKAIKI	302	595	244	221	813	382	904	554	246	308		627	780	513
QUEENSTOWN	487	281	381	404	187	669	300	270	850	822	627		166	117
TE ANAU	650	289	537	560	152	835	121	426	1024	988	780	166		245
WANAKA	428	276	264	287	285	607	380	202	809	773	513	117	245	

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Taumata whakatangi hangakoauau o tamatea turi pukakapiki maunga horo nuku pokai whenua kitanatahu

Letter	Tally	Total
a		
b		
c		
d		
e		
f		
g		
h		
i		
j		
k		
l		
m		
n		
o		
p		
q		
r		
s		
t		
u		
v		
w		
x		
y		
z		

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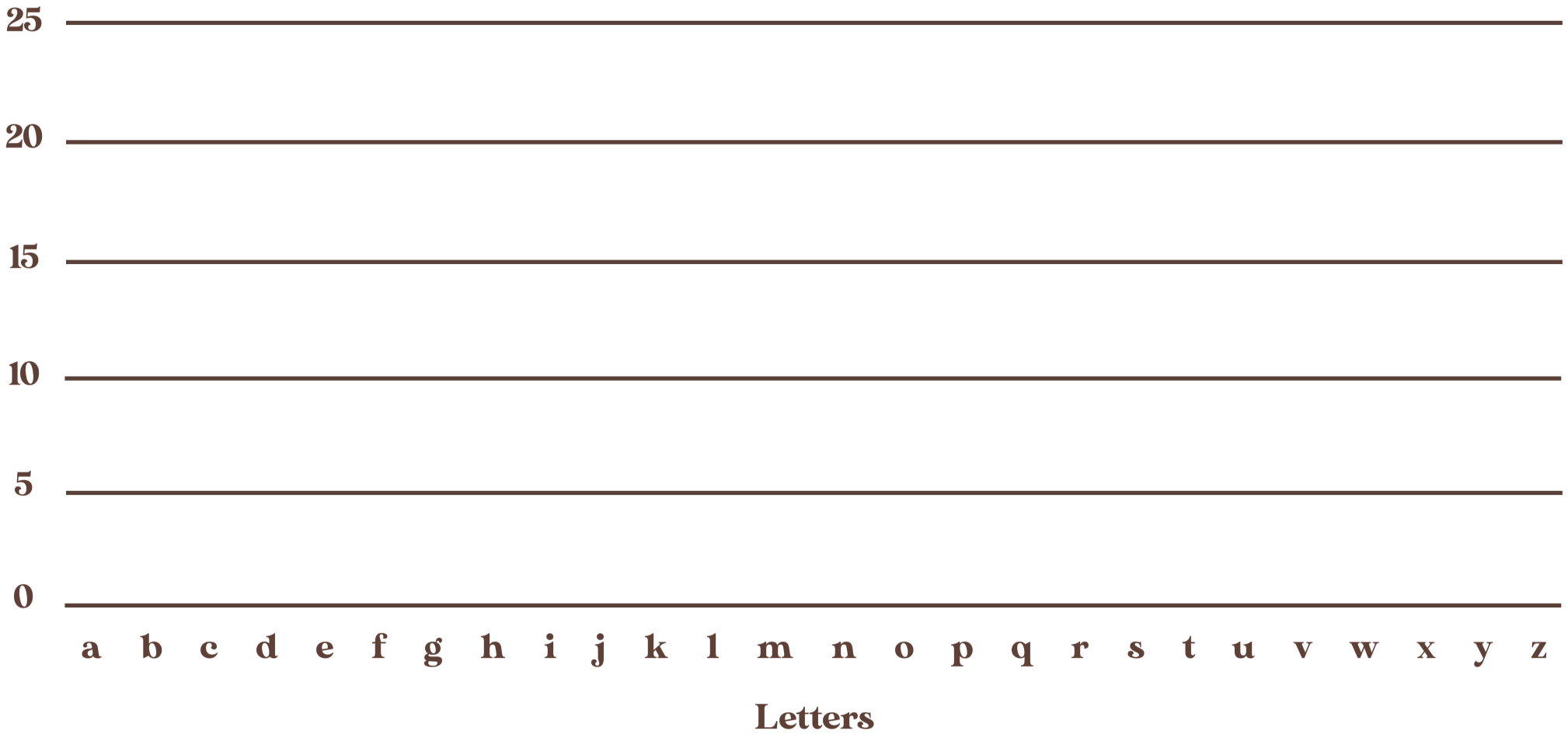
Frequency of Letters



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Ethnic Group	Ethnicity %	Match the letter
Pacifica	8.1	
Middle Eastern/Latin American/African	1.5	
European	70.2	
Asian	15.1	
Maōri	16.5	
Other ethnicity	1.2	

Place	Population 2021	Population 2018	Percentage Growth
Auckland	1,463,000	1,346091	
Rotorua	58,400	54,204	
Tauranga	155,200	136,713	
Queenstown	15,450	13,533	
Whangarei	54,300	50,784	
Wellington	215,900	201,786	
Dargaville	4,950	4,794	
Tokoroa	14,300	13,210	
Omokoroa	3,890	3,210	
Christchurch	380,600	258,062	
Whangamata	4,410	4,074	
Rolleston	24,700	17,352	
Morrinsville	8,410	7,758	
Greymouth	8,310	7,965	

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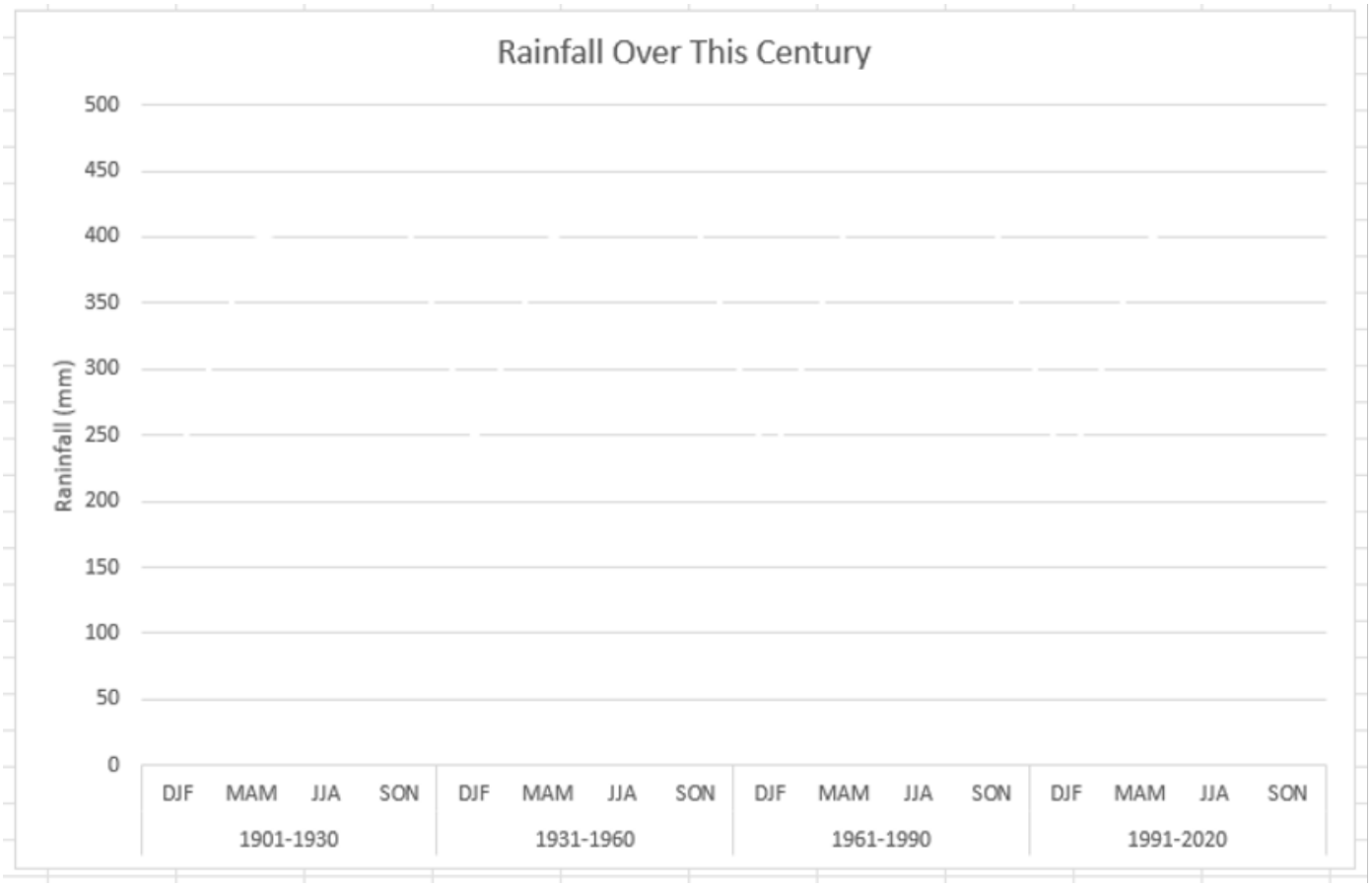

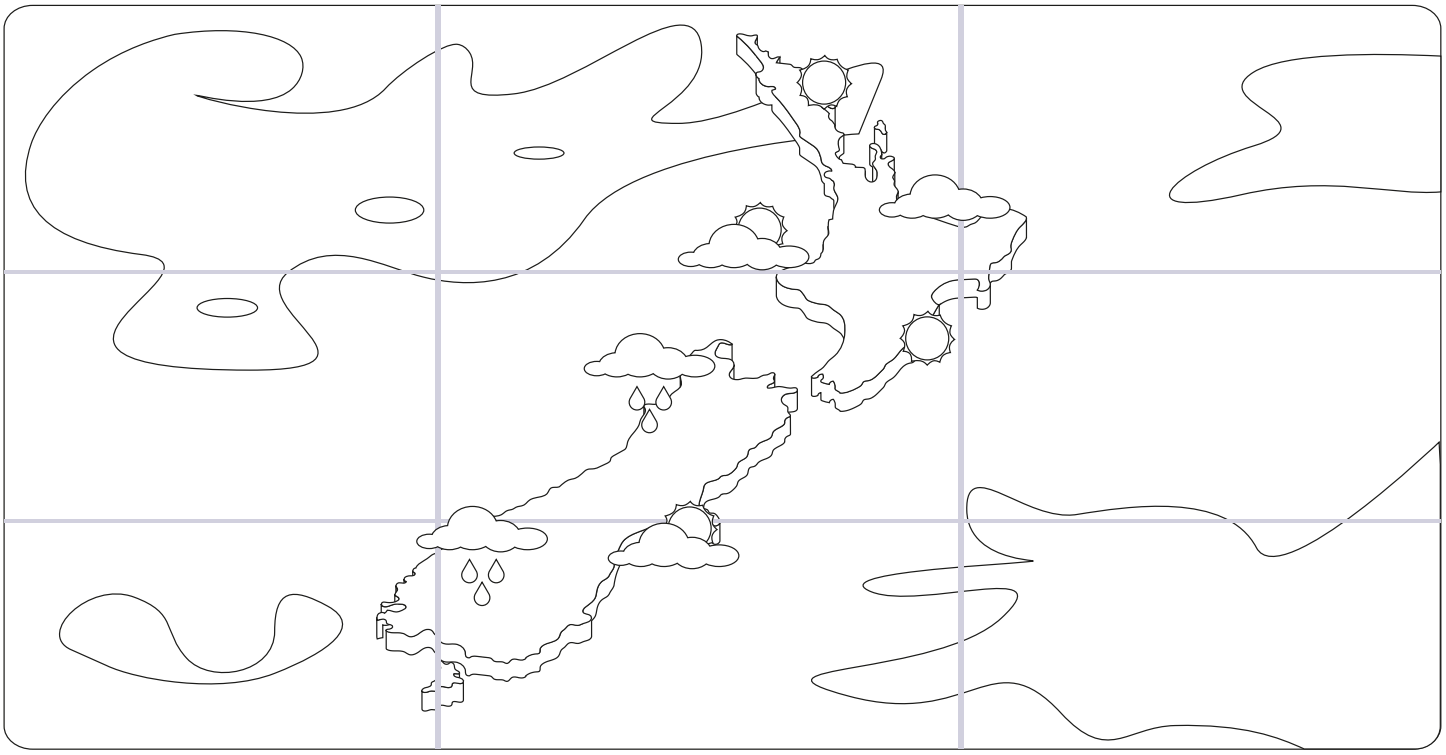

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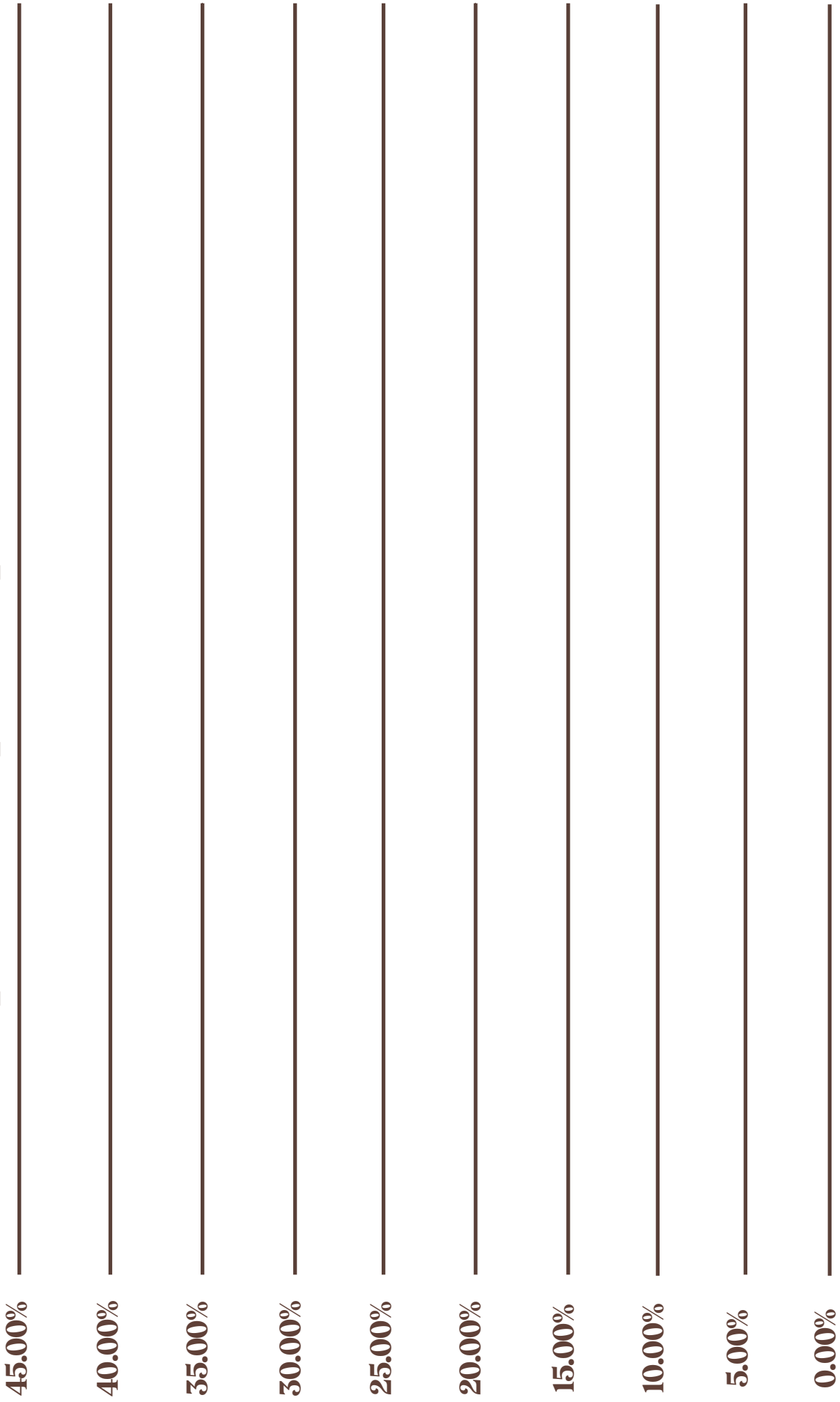
Complete the Graph for Population Growth