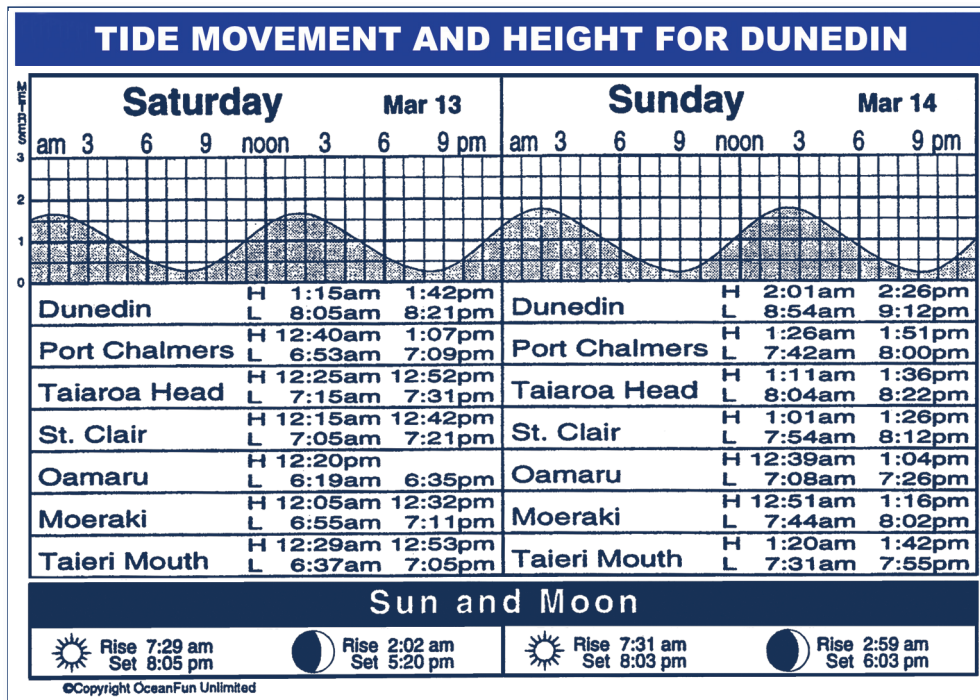


Approach: One to one
 Focus: Interpreting a table and a graph
 Resources: Chart with table

Year: 8



Questions / instructions:

Give student tide chart.

This chart gives information about tides, the sun and moon.

H means high tide and L means low tide.

- Look for Sunday, March 14th.
At what time in the afternoon will it be high tide at Port Chalmers? **1.51pm**
- Look at Saturday, March 13th. Imagine that you want to catch low tide at St.Clair. What times would you catch a low tide?
Correct choices: 7.05am & 7.21pm
7.05am
7.21pm
- The tide chart also has information about the sun and the moon. Look at the moon for Saturday, March 13th.
Try to tell me three things about the moon on this date. **rises at 2.02am**
sets at 5.20pm
is a crescent / 1/3 moon

% responses 2003 ('99)	year 8
57 (70)	
88 (88)	
74 (81)	
79 (83)	
78 (84)	
12 (49)	

Point to Saturday 13 March tide section of the graph.

- Now look at the graph for Saturday March 13th.
What is happening between 2 am and 6 am? **tide is going out**
- Who might find this chart helpful?
people who need to know about the level of the sea (or examples of such people)

Total score:	8-9
	6-7
	4-5
	2-3
	0-1

% responses 2003 ('99)	year 8
59 (55)	
85 (70)	
27 (42)	
46 (37)	
19 (14)	
6 (5)	
2 (2)	

Commentary:

There was a slight decline in year 8 students' ability to interpret aspects of related material presented in a table and a graph from 1999 to 2003. Overall, 27 percent of students in 2003 compared with 42 percent in 1999 scored more than seven overall.