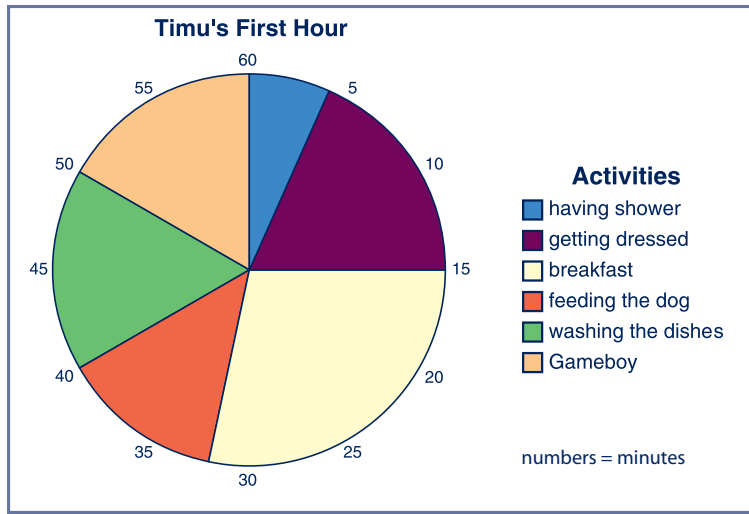


Approach: Independent
 Focus: Interpreting a pie graph
 Resources: Colour graph



Questions / instructions:

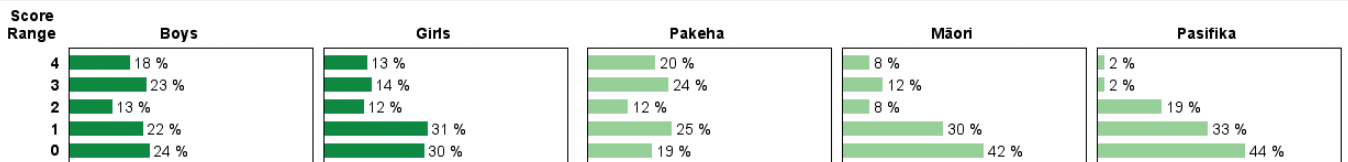
Timu has lots to do in the morning to get ready.
 The pie graph shows how Timu spends the first hour of his day.

Question	Answer	% response 2007 ('03)	year 4	year 8
1. How many minutes does Timu spend having a shower?	3.5 to 4.5 (minutes)	26 (22)	60 (67)	
2. How many minutes does he get on his Gameboy?	10 (minutes)	43 (41)	83 (76)	
3. How many minutes does he spend washing the dishes?	10 (minutes)	43 (43)	82 (85)	
4. Does he take longer to feed the dog or to get dressed?	get dressed	58 (56)	82 (85)	

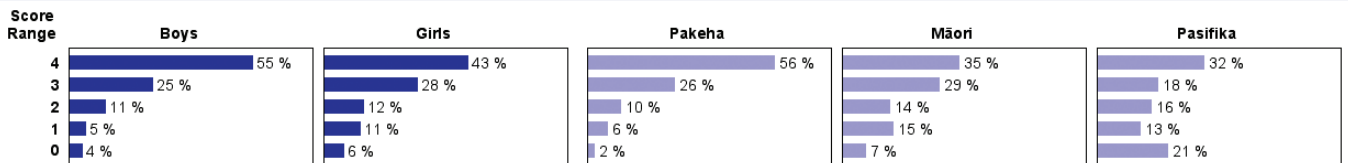
Total score:	4	16 (11)	50 (50)
	3	19 (21)	26 (28)
	2	12 (14)	11 (10)
	1	27 (25)	8 (7)
	0	27 (28)	5 (5)

Subgroup Analyses:

Year 4



Year 8



Commentary:

Reading this fairly complex pie graph was difficult for the year 4 students, but most year 8 students had learned this skill. Over three quarters of year 8 students got all, or all but one, of the questions correct. Boys performed a little better than girls.