

# Old Enough?

**You need** ★ a computer spreadsheet/graphing program ★ a classmate

## Activity

Marika is 8 years old. Her parents think this is too young to get pocket money. Marika disagrees!

She surveys friends, classmates, extended family members, and neighbours to find out what they think. Here are her results:



Name	Relationship	Age	Is 8 too young to receive pocket money?	At what age should children start receiving pocket money?
Sue	Aunt	30	No	From 5 years old
Hohepa	Uncle	31	No	Age 7 or so
Joe	Neighbour	45	No	Age 5
Phillip	Neighbour	28	Yes	10 years of age
Craig	Neighbour	27	No	7ish, I suppose
Sarah	Neighbour	39	Yes	Kids shouldn't get pocket money at all.
Jason	Neighbour	52	No	8's a good age to start.
Charlotte	Friend	8	No	8 years old
Reka	Friend	11	Yes	10 years old
Kelly	Friend	9	No	Age 7
Margot	Classmate	8	No	Age 6
Inoke	Classmate	9	No	Age 8
Andrea	Classmate	8	No	Age 5
Tangaroa	Classmate	9	No	Age 5
Justin	Classmate	10	No	Age 7
Ariki	Classmate	9	No	Age 8
Barbara	Grandma	65	Yes	12 years of age
Greg	Grandpa	64	Yes	15 years of age
Neil	Cousin	11	No	Age 6
Matuisi	Cousin	7	No	Age 7
Anna	Cousin	5	No	Age 5
Monica	Teacher	32	No	Age 7
Stephen	Teacher	34	Yes	10 years

1. a. Collate Marika's data and enter the totals in a computer spreadsheet like this:

Is 8 too young to receive pocket money?					
Children		Adults		Total	
No	Yes	No	Yes	No	Yes
11					

- b. Display the information for children and adults as a bar graph.  
 c. What does this graph tell you? Write four statements about the graph.  
 d. Create a pie chart to display the total numbers of "no" and "yes" answers.  
 e. What does this graph tell you?
2. a. Work out the total number of votes for each age and enter them in a spreadsheet like this:

At what age should children start receiving pocket money?								
Age	5	6	7	8	9	10	11+	Never
Votes	5							

- b. Make a bar graph showing the ages that the people surveyed think children should be when they first receive pocket money.
3. Discuss with a classmate which graphs from questions 1 and 2 best supports each of Marika's arguments:



i. Most people think 8 years old is not too young to receive pocket money.

ii. Many people think children even younger than 8 years old should receive pocket money.

iii. Some adults agree with my parents, but most think 8 years old is not too young to be receiving pocket money.

4. Did Marika need to ask the question "Is 8 too young to receive pocket money?", or could she have got that information from the answers to her second question? Discuss your answer with your classmate.

**Focus**

Evaluating responses to a survey