Old Enough?

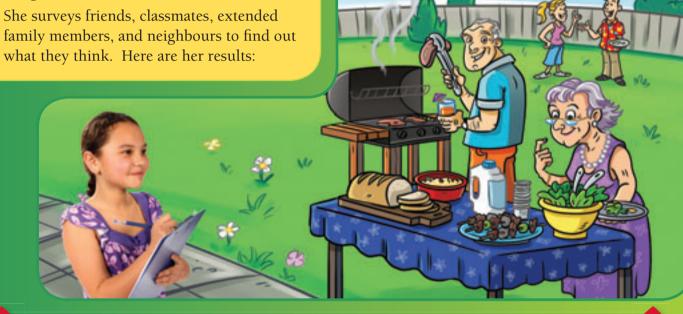
★ a computer spreadsheet/graphing program

★ a classmate

Activity

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

family members, and neighbours to find out



| 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 | | Adı | ults | 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.** 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