1 Four people used their feet to measure objects in the classroom.
Count the tally marks to write their results.

	Zac		Pia		Paul		Steph	
Width of doorway	卌III	8	卌 I	6	IIII	4	IIII	4
Length of desk	卌 卌	10	卌 III	8	卌	5	卌 I	6
Width of cupboard	卌 卌 卌 卌	20	卌 卌 卌 I	16	卌 卌	10	卌 卌 II	12
Height of chair	卌 III	8	卌 I	7	IIII	4	IIII	4

2 Why do you think their measurements were different?

Some feet were larger than others.

_____

_____

3 Look at the table to answer these questions.

a Who counted *8* feet for the desk? _____ *Pia* _____

b Who counted *20* feet for the cupboard? _____ *Zac* _____

c Which object is the longest? _____ *Cupboard* _____

d Which two objects were similar in length? _____ *Doorway, chair* _____

e Whose foot could be smaller than Pia's? _____ *Zac* _____

f Whose foot could be twice as long as Zac's? _____ *Paul* _____

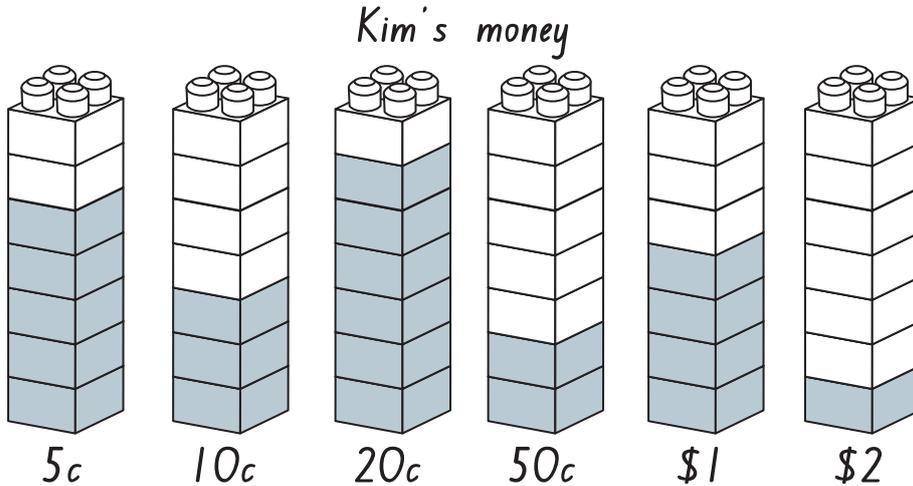Discuss how Zac, Pia, Steph and Paul could obtain the same measurements for each object.

Kim's money

1 Kim emptied her money box.

Use **tally marks** to represent each coin.

5-cent coins	10-cent coins	20-cent coins
50-cent coins	1-dollar coins	2-dollar coins

2 Colour the blocks to make a column graph of the coins.

Kim's money

5c   10c   20c   50c $1 $2

3

a Which coin does Kim have most of? 20¢

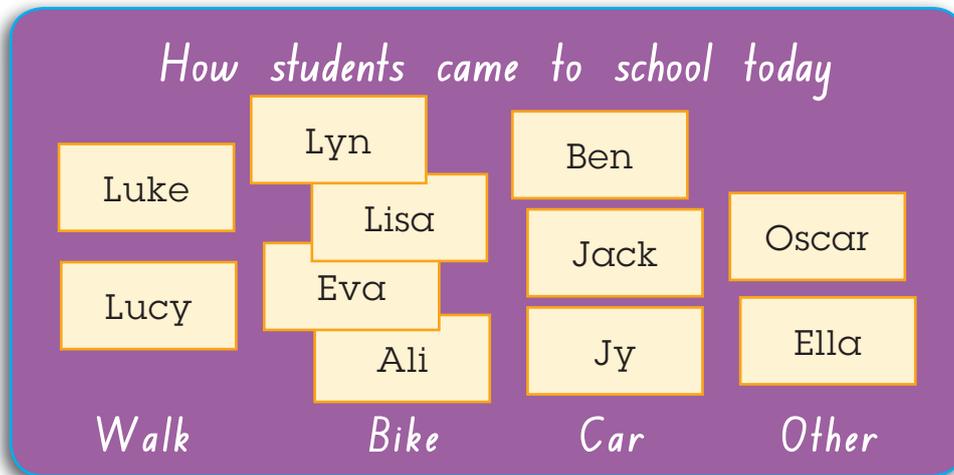**b** How many more 5-cent coins are there than 50-cent coins?

4

c How many more 20-cent coins are there than 2-dollar coins?

5

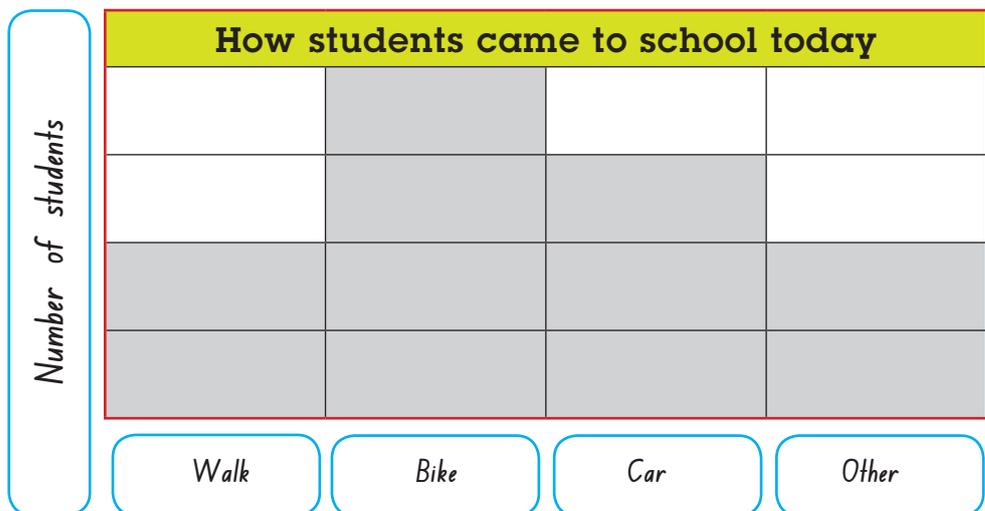Use the graph to count the total amount in Kim's money box.

Improve-a-graph

1 Students glued their name on a chart to show how they came to school today.

> **How students came to school today**
>
> | Lyn | | Ben | |
> |---|---|---|---|
> | Luke | Lisa | | Oscar |
> | | Eva | Jack | |
> | Lucy | Ali | Jy | Ella |
> | **Walk** | **Bike** | **Car** | **Other** |

Use the information to make a graph.

How is it easier to see the results in the graph than in the chart?

How students came to school today

Number of students

Walk	Bike	Car	Other

2 **a** How did most children travel to school today? ___Bike___

b How could Ella and Oscar have travelled to school?

___Bus___

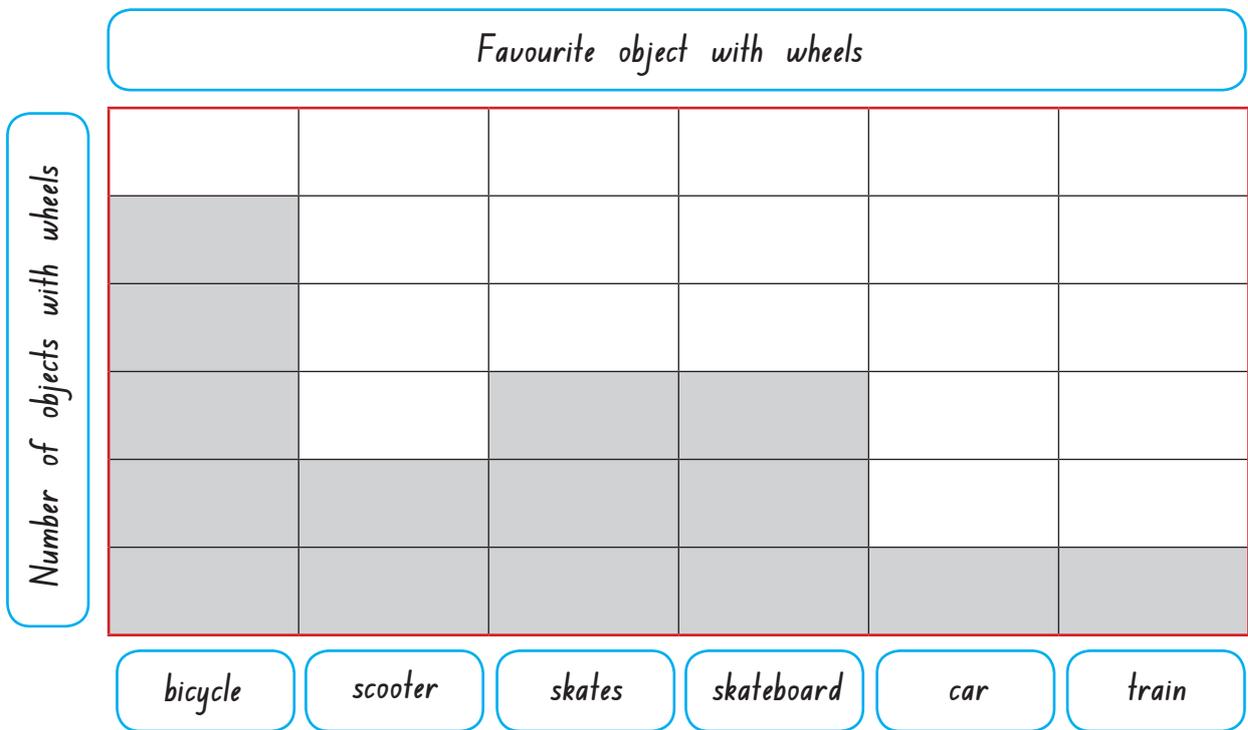**c** If there are *13* children in the class, how many are away?

> 2

Discuss how the graph may be different tomorrow.

Graphs are wheely easy!

1 Students brought their favourite object with wheels to school.

Graph the objects with wheels. Remember to give your graph a title.

Favourite object with wheels					

Number of objects with wheels

| bicycle | scooter | skates | skateboard | car | train |

2 Create a question that can be answered using your graph.

Answers will vary.

_____

_____

Lettuce make a graph!

1 Mario had **25** lettuces ready for picking on Monday. He picked **5** lettuces on Monday and some more every day until they were all picked by Sunday. Draw what the graph may have looked like. *Answers will vary.*

Number of lettuces picked							
10							
9							
8							
7							
6							
5							
4							
3							
2							
1							
	Mon	Tue	Wed	Thu	Fri	Sat	Sun

2 Look at your graph to answer these questions.

a How many lettuces did Mario pick on Wednesday?

b Did he pick more on Monday than Thursday?

c How many had he picked by the end of Thursday?

d How many did he have left to pick after Thursday?

e How many did he pick on the weekend?