

Have a go before discussing how to do it.

Solving word problems



Discover

To make a robot model we need:

4 cotton reels

10 pieces of square paper

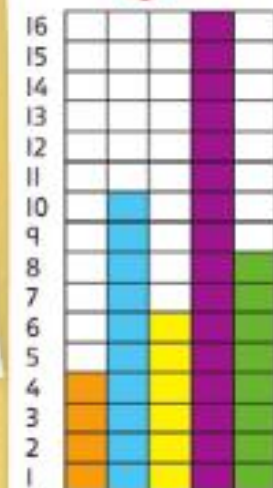
6 pipe cleaners

16 straws

8 paper clips



Item	Tally



	● ● ● ●
	● ● ● ● ● ● ● ● ● ●
	● ● ● ● ● ●
	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
	● ● ● ● ● ●

Each ● represents 1 item.

- 1 a) Which diagram correctly represents the model robot?
Only one diagram is correct.
- b) What information is missing from the pictogram?

Talk through how to work out the answers.

Share













- a) There aren't enough straws or paper clips on the pictogram.

Each ● represents 1 item.

There are too many cotton reels, pieces of paper, pipe cleaners and paper clips on the tally chart.



Item	Tally
	
	
	
	
	



The block graph correctly represents the model robot because it matches the list of items needed.

- b) The robot model needs 4 cotton reels, 10 pieces of paper, 6 pipe cleaners, 16 straws and 8 paper clips.**

On the pictogram there are only 15 straws and 6 paper clips.

2 paper clips and 1 straw are missing.

[illegible]






I will add 2 paper clips and 1 straw.



Apply these methods to the following questions. Keep discussing.



Think together

1 Here are the items needed for another robot.

Item	Tally
	
	
	
	
	

a) How many more  are needed than  ?

$$\square - \square = \square$$

\square more  are needed than  .

b) How many pieces are needed altogether?













2 Show the information on a block diagram.

Add in additional questions if needed then go on to the challenge below.

- 3 Use the information to complete the diagrams.

CHALLENGE

Each  represents 2 of each item.

Item	Tally
	
	
