

1

Run the survey, name the parts

Small groups take a question card, three hoops and a tub of cubes, and survey six classmates. They then take turns pointing at the question, at one response and at the categories.

"Point to the question. Point to one response."

"How many categories did this question make?"

2

Name the groups first

Groups take a card they have not used, name the groups out loud before asking anybody, and put an empty hoop down for each one. They then run the survey.

"Name your groups before you ask the first person."

"Did any answer arrive with nowhere to go?"

3

Make a yes or no question bigger

Groups take the card asking do you have a pet and write a new question on a blank card that makes more than two groups. They run both and compare the hoops.

"Which question gave us more to compare?"

"How do you know your new question will make more than two groups?"

4

Find the card that will not work

Spread four question cards out, including the one asking what your favourite thing in the whole world is. Groups pick the card that will not give useful data, then test it on six classmates.

"Which card will not give us groups to compare? Why?"

"You tested it. What did the answers look like?"

5

What our data does not say

Groups put their question card above their finished hoops and swap places with another group. Each says one thing the other group's data tells them and one thing it does not.

"Read their question first, then look at their hoops."

"What would they have to ask to find out the other thing?"

Word cards. Print one set for each group.

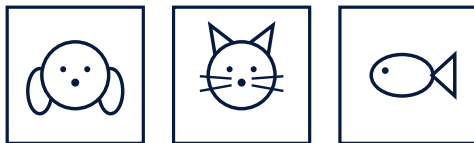
question

response

category

Question cards. Print one set for each group.

Which pet do you have?



Which fruit do you like best?



How do you get to school?



Which fruit did you bring today?



Do you have a pet?

yes

no

What is your favourite thing in the whole world?