

Picture Graph or Column Graph?

Elaboration 4 · Comparing two graphs of the same data

ELABORATION FOCUS

Comparing picture graphs with one-to-one column graphs of the same data, interpreting the data in each, and saying how the two displays are the same and how they are different.

LEARNING INTENTION I can say how a picture graph and a column graph are the same and different.

Picture

Column

Same

Different

Read

1

Read Each One

Step 1: find the biggest group in the picture graph. Step 2: do the same in the column graph.

2

Find What Matches

Step 3: the totals are equal.
Step 4: the same category is largest in both.

3

Find What Differs

Step 5: one counts pictures.
Step 6: the other reads a number scale.

MODEL · PICTURES BESIDE COLUMNS

Both graphs agree on the largest group; only the way you read the total changes.

cats ■■■■■■
dogs ■■■■
birds ■■

picture graph

column graph



Same data, same answer. The difference is how you read the total off the page.

TEACHER MODELLING ROUTINE

I do → We do → You do

WATCH FOR

Deciding one graph shows more data because it looks larger on the page.

REMEMBER

Say it to students as: "What does each graph tell you, and do they agree?"

MATERIALS

Grid paper, counters, class data on birthplaces or pets, a graphing tool.

Teacher note: country of birth data works well here because the categories come from the class itself. Check with families first and let students opt out of naming their own.