

Favourite Colour, Two Graphs

Elaboration 1 · Building and comparing two graphs of one survey

ELABORATION FOCUS

Collecting data from a limited list of choices, creating two different graphical representations of the data, and discussing and comparing what each representation shows.

LEARNING INTENTION I can build two graphs from one survey and compare them.

Colour

Survey

Picture

Column

Compare

1

Run the Survey

Step 1: everyone picks one colour from the list. Step 2: tally the choices.

2

Make a Picture Graph

Step 3: draw one square for each person. Step 4: colours go along the bottom.

3

Make a Column Graph

Step 5: same colours along the bottom. Step 6: numbers go up the side.

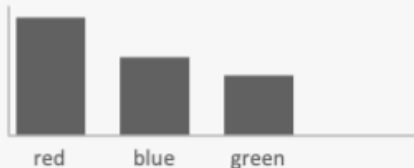
MODEL · FAVOURITE COLOUR, TWO WAYS

The colours stay in the same order on both graphs, so they can be compared side by side.

red ■■■■■■
blue ■■■■
green ■■■

picture graph

column graph



Both graphs put the colours along the bottom, so the same colour is tallest in each.

TEACHER MODELLING ROUTINE I do → We do → You do

WATCH FOR

Changing the order of the categories between the two graphs.

REMEMBER

Say it to students as: "Which colour is biggest in each graph, and is it the same one?"

MATERIALS

Coloured squares, grid paper, sticky notes, a graphing tool, whiteboard.

Teacher note: keep the categories in the same order on both graphs. If the order changes, students compare the shape of the graph rather than the data behind it.