

# Party Hats Survey



## What are you trying to do?

- Collect and analyse data with different variables
- Create a 2 way table
- Create a double column graph using an appropriate scale

## What do you need?

- *Party Hats* poster
- *Party Hats* survey sheet
- Paper, pencils
- Grid paper to draw a double column graph

## What do you do?

- Duffy has been invited to a Hat Party. He's not sure which hat to wear. Have you ever been to a Hat Party? If so, what hat did you wear? Discuss some suggestions with the whole class.
- You can conduct a survey to find out what advice to give Duffy. You can show everyone in Grade 5 and 6 his 8 hats on the *Party Hats* Poster. Ask each person to select just one that they think looks best. You can record their suggestions on the *Party Hats* Survey sheet.
- Discuss how you can organise this activity for all of Grade 5 and 6.
- Conduct your survey and count up the results. Find a way to put all the results together in a 2-way table.
- Discuss the data together. What advice can you give Duffy? Is one hat more popular than another? Was there much difference between the advice from Grade 5 and Grade 6?
- Use grid paper to create column graphs of each hat's popularity. How will you label your graph? What scale will you use?
- Once your graph is complete, what are three key statements you can make about your data?
- Select a few graphs to describe and discuss with the whole class.

## Variations?

- What if you collated your data for boys and girls instead of Grade 5 and 6. What can you learn from your new analysis?
- Imagine Duffy gets invited next to a Wig Party. Look at the 5 different wigs. Find a way to create your own survey poster, survey sheet, 2-way table summary and double column graphs.

# Duffy's Party Hats



## Duffy's Party Hats Survey

|         | Hat 1 | Hat 2 | Hat 3 | Hat 4 | Hat 5 | Hat 6 | Hat 7 | Hat 8 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| Grade 5 |       |       |       |       |       |       |       |       |
| Grade 6 |       |       |       |       |       |       |       |       |



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|         | Hat 1 | Hat 2 | Hat 3 | Hat 4 | Hat 5 | Hat 6 | Hat 7 | Hat 8 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| Grade 5 |       |       |       |       |       |       |       |       |
| Grade 6 |       |       |       |       |       |       |       |       |

