



CATEGORICAL & DISCRETE DATA SETS

AC9M4ST01

QUESTIONS FOR ACQUIRING DATA

MATHS match
→ PROBLEM CARDS

Which season do students like best?

1

How many laps did the class run each day?

Which bus do students catch to school?

3

How many cars passed the school each hour?

4

Find the card that shows the question you might ask to acquire this data

0	
1	
2	
3	

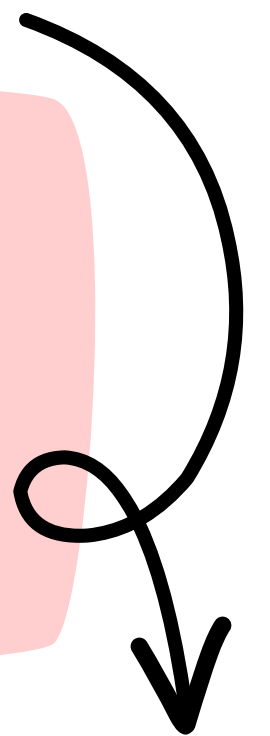
C

Find the card that shows the question you might ask to acquire this data

Tag	8
Handball	5
Elastics	3
Soccer	7

E

Keep scrolling to see what's included!



LOOKING FOR A FUN WAY TO TEACH CATEGORICAL & DISCRETE DATA SETS?



All six activities are aligned to the outcome: **(AC9M4ST01)**



Tasks range in difficulty from easy to challenging



Activities are interactive, hands-on, and FUN!

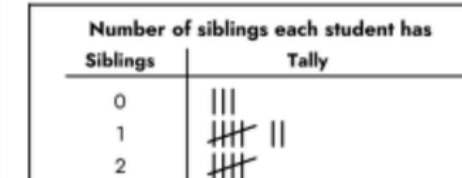


AC9M4ST01

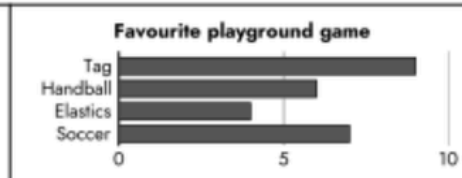
CLASSIFYING DATA & CREATING DISPLAYS

SUPER sort

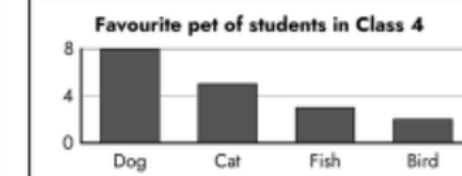
Study each display, then tick the box to show whether the data is categorical or discrete numerical data.



☐ categorical ☐ discrete numerical data



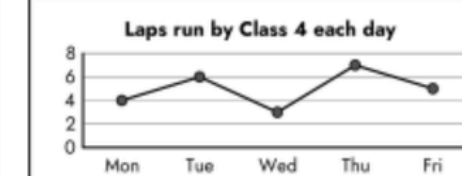
☐ categorical ☐ discrete numerical data



☐ categorical ☐ discrete numerical data



☐ categorical ☐ discrete numerical data



☐ categorical ☐ discrete numerical data

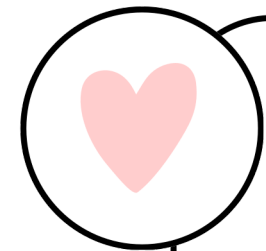
Toys sold at the school fair each day

Day	Mon	Tue	Wed	Thu	Fri
Toys sold	12	8	15	9	11

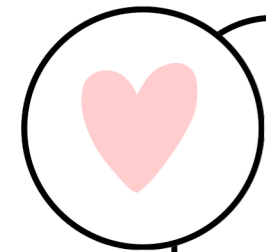
Study the data in the table, then create a graph to represent it. Don't forget to label it.

Week	Books read

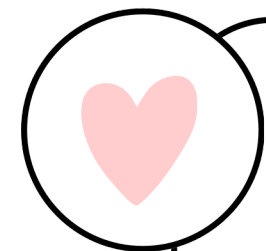
LOOKING FOR A FUN WAY TO TEACH CATEGORICAL & DISCRETE DATA SETS?



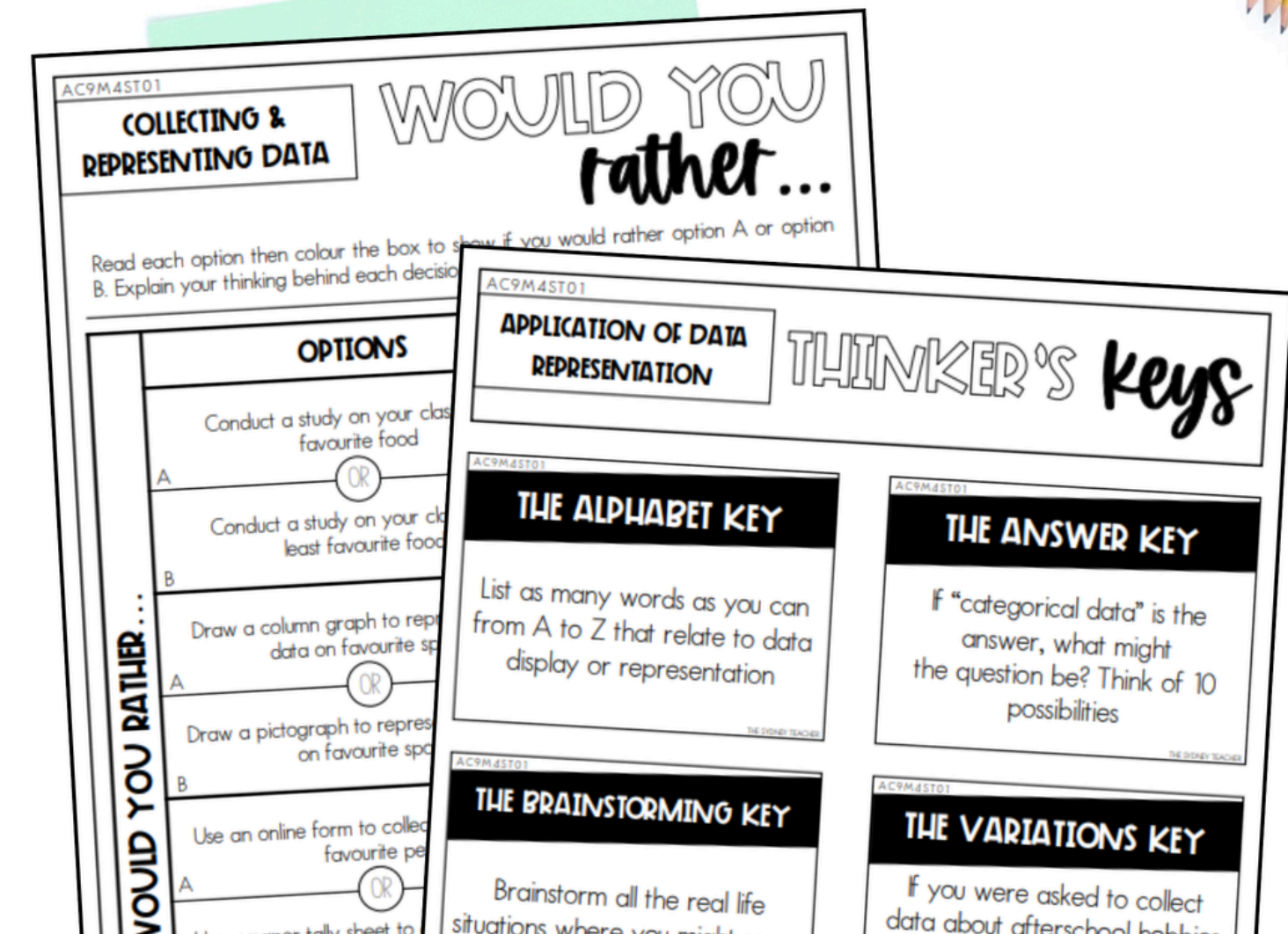
NO planning required for outcome **AC9M4ST01**



No prep, just print and go!



This pack aligns perfectly to my Year 4 Statistics & Probability Assessment Pack!



INCLUDES ALL THESE AND MORE!

AC9M4ST01

INTERPRETING PICTOGRAPHS

TRUE OR FALSE

Cut out the problem cards and sort them according to whether they are true or false. Before gluing them, arrange the cards in each column in alphabetical order.

BURGERS SOLD AT THE CANTEEN

Day	Burgers
Monday	3
Tuesday	4
Wednesday	4
Thursday	2
Friday	5

1 burger icon = 5 burgers

TRUE	FALSE
6 burgers were sold on Friday	
More burgers were sold on Monday than on Tuesday	
15 more burgers were sold on Wednesday than on Thursday	
The fewest burgers were sold on Thursday	
6 burgers were sold on Friday	
More burgers were sold on Monday than on Tuesday	
15 more burgers were sold on Wednesday than on Thursday	
The fewest burgers were sold on Thursday	

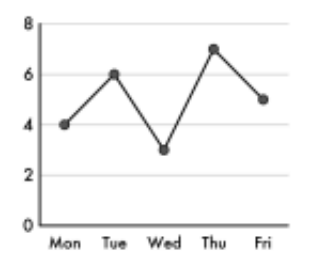
THE SYDNEY TEACHER

AC9M4ST01

QUESTIONS FOR ACQUIRING DATA

MATHS

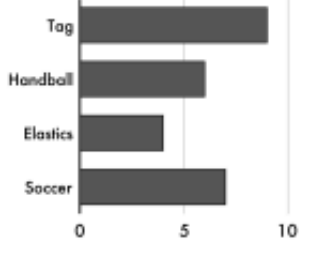
Find the card that shows the question you might ask to acquire this data



Find the card that shows the question you might ask to acquire this data

0	
1	
2	
3	

Find the card that shows the question you might ask to acquire this data



THE SYDNEY TEACHER

AC9M4ST01

CLASSIFYING DATA & CREATING DISPLAYS

SUPER sort

Study each display, then tick the box to show whether the data is categorical or discrete numerical data.

Number of siblings each student has

Siblings	Tally
0	
1	
2	

☐ categorical ☐ discrete numerical data

Favourite playground game

Game	Count
Tag	8
Handball	6
Elastics	4
Soccer	7

☐ categorical ☐ discrete numerical data

Favourite pet of students in Class 4

Pet	Count
Dog	8
Cat	4
Fish	3
Bird	2

☐ categorical ☐ discrete numerical data

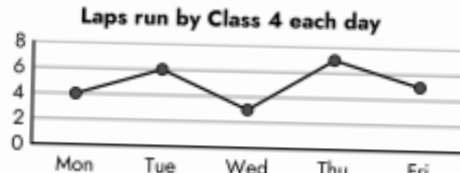
Bus route taken to school

Route	Students
Route 12	3
Route 30	2
Route 45	4

★ = 2 students

☐ categorical ☐ discrete numerical data

Laps run by Class 4 each day



☐ categorical ☐ discrete numerical data

Toys sold at the school fair each day

Day	Toys sold
Mon	12
Tue	8
Wed	15
Thu	9
Fri	11

☐ categorical ☐ discrete numerical data

Study the data in the table, then create a graph to represent it. Don't forget to label it.

Week	Books read
1	6
2	4
3	8
4	10
5	2

What kind of data is this?

☐ categorical ☐ discrete numerical data

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CONTENTS

What's included in this pack?

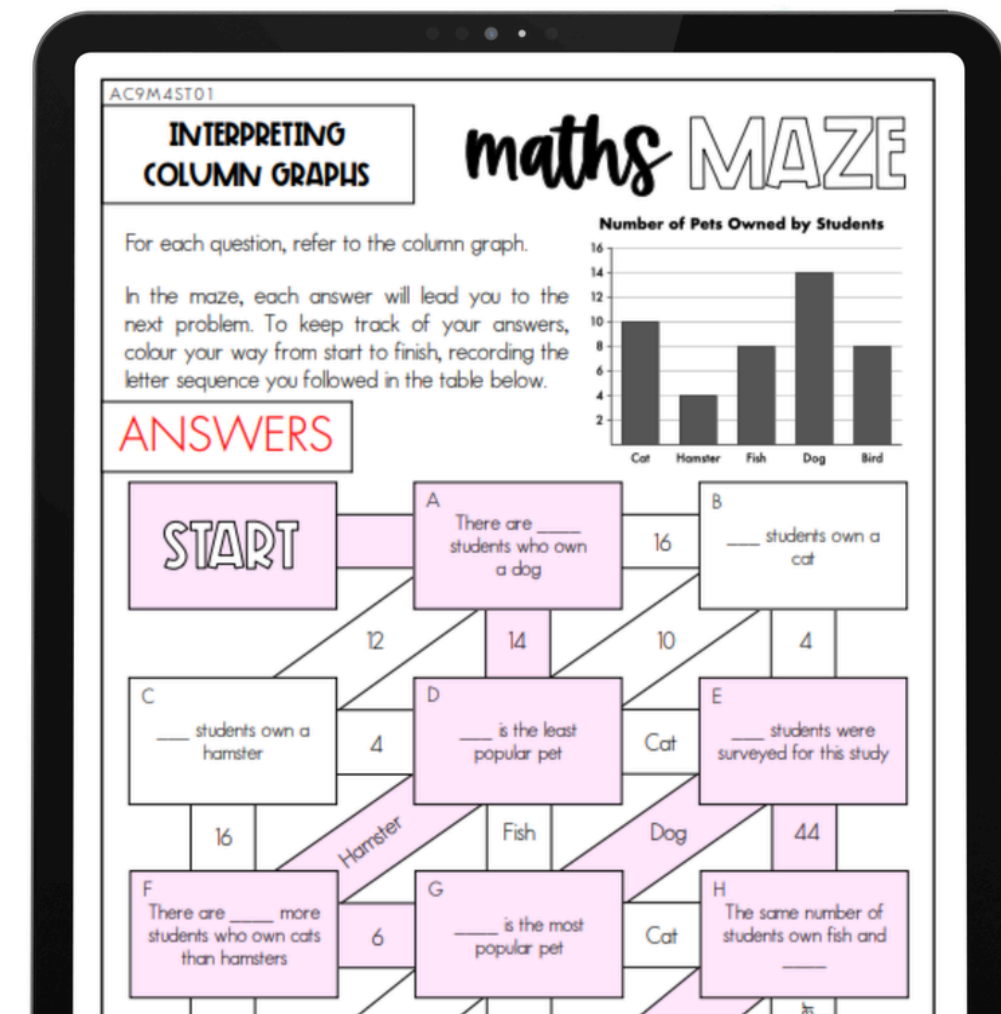


SIX engaging activities for the outcome AC9M4ST01:

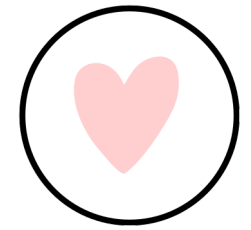
- + True or False
- + Maths Match
- + Super Sort
- + Maths Maze
- + Would You Rather?
- + Thinker's Keys



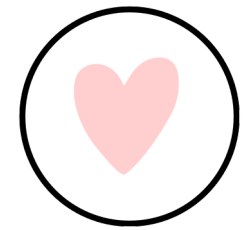
Answer Key for teachers



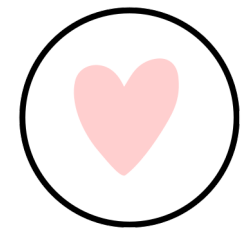
HOW YOU CAN USE THIS RESOURCE



Maths rotations – Use the six activities as engaging group tasks



Differentiation – Assign easier or harder tasks based on student needs



Prep-Free Lessons – Use the activities as ready-to-go lessons for the AC9M4ST01 outcome!



AC9M4ST01

INTERPRETING PICTOGRAPHS TRUE OR false

Cut out the problem cards and sort them according to whether they are true or false. Before gluing them, arrange the cards in each column in alphabetical order.

BURGERS SOLD AT THE CANTEEN

Monday	  
Tuesday	   
Wednesday	   
Thursday	 
Friday	    

 = 5 burgers

TRUE	FALSE

The fewest burgers sold in a day was 2 H

More burgers were sold on Monday than on Tuesday C

Friday has the most burgers sold D

LOOKING FOR MORE?



Want to assess your students' maths skills in minutes? This **Year 4 Mathematics Exit Slips & PowerPoint Slides Pack** includes print-and-go exit slips and matching PowerPoint slides with four targeted mini-assessments per maths outcome!

YEAR 4 MATHS EXIT SLIPS & POWERPOINT SLIDES

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SHOW WHAT YOU KNOW (2)

Name: _____ Date: _____

Use the fractions wall to find equivalent fractions for the following:

a) $\frac{2}{3} = \frac{\quad}{6}$ b) $\frac{3}{4} = \frac{\quad}{8}$

c) _____ d) _____

SHOW WHAT YOU KNOW (3)

Name: _____ Date: _____

Study the scatterplot then answer the questions:

Temperature and Rainfall

a) What is the shape of the distribution? _____

b) What conclusions can be made about rainfall and temperature? _____

c) Is this an effective display for the data? Why/ why not? _____

SHOW WHAT YOU KNOW

Use grid reference positions of town

PLAC

5

4

3

2

1

A B C D E

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190+ SLIPS