



INTERPRET & CRITIQUE DATA IN THE MEDIA

AC9M6ST02

INTERPRETING A RANGE OF DATA DISPLAYS

MATHS match

PROBLEM CARDS

Find the card that shows the most appropriate title for this data display

Family Type	Percentage
Couple family with kids	44%
Couple family	39%
One parent family	16%
Other family	2%

Find the card that shows the most appropriate title for this data display

Year	Intact family	Step family	Blended family
2006	89.4	5.9	4.8
2011	88.2	5.9	5.9
2016	88.4	5.2	6.4

Find the card that shows the most appropriate title for this data display

Country	Adolescent Percentage
Saudi	80
Turkey	80
Korea	25
Japan	10
Iran	70

Find the card that shows the most appropriate title for this data display

Find the card that shows the most appropriate title for this data display

123a ner

Keep scrolling to see what's included!

WANT TO ENGAGE STUDENTS IN EXPLORING AND CRITIQUING DATA IN THE MEDIA?

♥ All seven activities are aligned to the outcome: **(AC9M6ST02)**

♥ Tasks range in difficulty from easy to challenging!

♥ Activities are interactive, hands-on, and FUN!



AC9M6ST02

CRITIQUING DATA CONCLUSIONS

SUPER sort

Study the data display, then cut out the problem cards and sort them into 'accurate' or 'inaccurate' conclusions about the data. Before gluing them, arrange the cards in each column in alphabetical order.

Mandarin is the most common language other than English used in Australia

Mandarin	685,274
Arabic	367,159
Vietnamese	320,758
Cantonese	295,281
Punjabi	239,033

ACCURATE	INACCURATE
More people speak Mandarin than any other language in Australia <small>A</small>	
Mandarin is the easiest second language to learn <small>B</small>	
Mandarin is the second most common language used in Australia	
	Apart from English, there are only 5 other languages spoken in Australia <small>D</small>

WANT TO ENGAGE STUDENTS IN EXPLORING AND CRITIQUING DATA IN THE MEDIA?



NO planning required for outcome **AC9M6ST02**



No prep, just print and go!



Aligns perfectly to the **Year 6 Statistics & Probability Assessment Pack!**



AC9M6ST02

IDENTIFY DIFFERENT TYPES OF DATA

maths MAZE

For each question, identify the kind of data being displayed. In the maze, each answer will lead you to the next problem. To keep track of your answers, colour your way from start to finish, recording the letter sequence you followed in the table below.

START

A Do You Ride a Bicycle to School?
Bar chart showing Student Responses.

B Student Modes of Transport
Pie chart showing percentages: 20%, 10%, 20%, 10%, 20%, 10%.

C Strawberries Sold During the Year
Line graph showing sales over months.

D Students Favourite Subjects
Table with columns: Subject, Students.

Subject	Students
English	10 10 10 10 10
Math	10 10 10 10 10
Science	10 10 10
HPE	10 10 10 10 10
Art	10 10 10 10 10

E Time Spent in a Medical Waiting Room
Histogram showing time intervals.

F Fruit or Vegetables?
Pie chart showing percentages: 60%, 40%.

G Number of Cats Owned
Dot plot showing the number of cats owned by students.

H Types of Vegetables Sold at a Market
Bar chart showing the number of different types of vegetables sold.

INCLUDES ALL THESE AND MORE!

AC9M6ST02

IDENTIFY DIFFERENT TYPES OF DATA

maths MAZE

For each question, identify the kind of data being displayed. In the maze, you will be guided to the next problem. To keep track of your answers, colour your maze as you go, recording the letter sequence you followed in the table below.

START

FINISH

A					
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AC9M6ST02

INTERPRETING A RANGE OF DATA DISPLAYS

MATHS match

PROBLEM CARDS

Find the card that shows the most appropriate title for this data display

Find the card that shows the most appropriate title for this data display

	Population count
1 Mandarin	685,274
2 Arabic	367,159
3 Vietnamese	320,758
4 Cantonese	295,281
5 Punjabi	239,033

Find the card that shows the most appropriate title for this data display

Find the card that shows the most appropriate title for this data display

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DATA REPRESENTATIONS AND CONCLUSIONS

THINKER'S keys

PROBLEM SOLVING

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THE ALPHABET KEY

List as many words as you can from A to Z that relate to data representations

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THE BRAINSTORMING KEY

Brainstorm all the real life situations where people rely data displays being accurate.

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THE CONSTRUCTION KEY

Using Canva, create a data display to showing your class' top 5 choices for an upcoming excursion. Then, suggest an itinerary based on this data.

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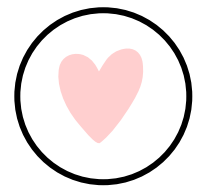
EFFECTIVE & INEFFECTIVE DATA DISPLAYS

SUPER sort

PROBLEM CARDS

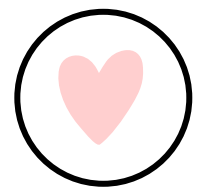
CONTENTS

What's included in this pack?



SEVEN engaging activities for the outcome **AC9M6ST02**:

- + True or False
- + Maths Match
- + Super Sort 1 & 2
- + Maths Maze
- + Would You Rather?
- + Thinker's Keys



Answer Key for teachers

AC9M6ST02

INTERPRETING DATA FROM THE MEDIA TRUE OR false

Study the data display, then 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.

TRUE	FALSE

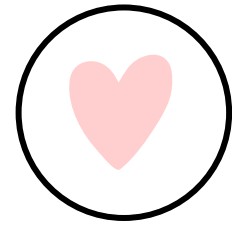
AC9M6ST02

INTERPRETING DATA FROM THE MEDIA TRUE OR false

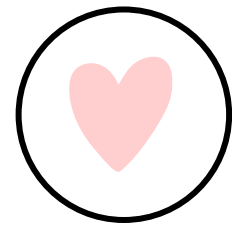
PROBLEM CARDS

- A The title for this display might be: 'More Australians smoke now than ever before'
- B The title for this display might be: 'Most Australians have never smoked'
- C Most current smokers are 55-64 years old
- D 30% of all people are ex-smokers
- E About 80% of people aged 18-24 have never smoked
- F 60% of people over the age of 65 have never

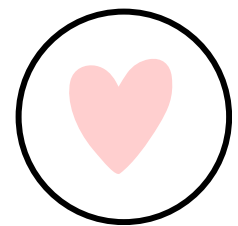
HOW YOU CAN USE THIS RESOURCE



Engage all students in exploring data together as a **whole-class activity**



Challenge groups with activities matched to their skill level



Let students complete **independent task or as homework** to reinforce statistical analysis skills



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EFFECTIVE & INEFFECTIVE DATA DISPLAYS SUPER SORT

Cut out the problem cards and sort them according to whether they are effective or ineffective data displays for the topic. Also provide an explanation of why.

Topic: Graphing the height of 6 trees		
EFFECTIVE	INEFFECTIVE	WHY?



Topic: Graphing Australia's favourite sports		
EFFECTIVE	INEFFECTIVE	WHY?



Topic: Graphing 100m running world record		
EFFECTIVE	INEFFECTIVE	WHY?



LOOKING FOR MORE?



Grab all the 30 interactive activities in **Year 6 Statistics & Probability Activity Bundle** and make planning a breeze. Cover every curriculum goal while keeping your students engaged, motivated, and learning all year long!

YEAR 6

STATISTICS & PROBABILITY ACTIVITY BUNDLE

THE SYDNEY TEACHER

TRUE	FALSE
In this chance experiment, you have a 2 in 3 chance of picking a white marble.	In this chance experiment, you have a 2 in 3 chance of picking a white marble.
In this chance experiment, you are equally likely to pick a black marble.	In this chance experiment, both colours have the same chance of being picked.
In this chance experiment, you are more likely to pick a black marble.	In this chance experiment, both colours have the same chance of being picked.

30 ACTIVITIES