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Ontario Math Curriculum
Data & Probability – Grade 8

3-Part Lesson Format

Part 1 – Minds On!
- Learning Goals
- Discussion Questions
- Quotes
- And More!

ONE-VARIABLE VS TWO-VARIABLE DATA

Learning Goal

We are learning to **identify and analyze relationships between one-variable and two-variable data using real-life situations,** so we can **decide when each type of data is needed to make meaningful comparisons and conclusions.**

QUALITATIVE VS QUANTITATIVE DATA

Make observations about the image (shopping mall) and put a mark, if it is quantitative or qualitative. ✖

Observations	Qualitative	Quantitative
1) The mall has **3 floors**		
2) There are **120 people** inside the mall		
3) The mall is **crowded and noisy**		
4) The largest store is a **clothing store**		
5) A pair of shoes costs **$85**		
6) The food court has **10 restaurants**		
7) The mall looks **modern and bright**		
8) A movie ticket costs **$12.50**		
9) The escalator is **moving quickly**		
10) There are **25 parking spaces available**		



Part 2 – Action!
- Writing
- Matching
- Drag and Drop
- Drawing
- And More!

Part 3 – Consolidation!
- Exit Cards
- Quizzes
- Reflection
- And More!

DISCRETE VS CONTINUOUS DATA

Scenario: Ordering Food at a Restaurant

You are ordering food at a restaurant. You ask the server the questions below.

Is the data you receive **discrete, continuous, or both**? Is it **one-variable or two-variable data**? ✔

#	Data Collected	Discrete	Continuous	Both	One-Variable	Two-Variable
1	How many items are included in the meal combo?					
2	What is the weight of the burger?					
3	How many millilitres is the drink?					
4	How much does the meal cost?					
5	How many toppings can I choose?					
6	How long does it take to prepare the meal?					
7	What type of drink is available and what is its price?					
8	How many calories are in the meal?					
9	What size of fries do you offer and how much does each size cost?					
10	What is the temperature of the food when served?					

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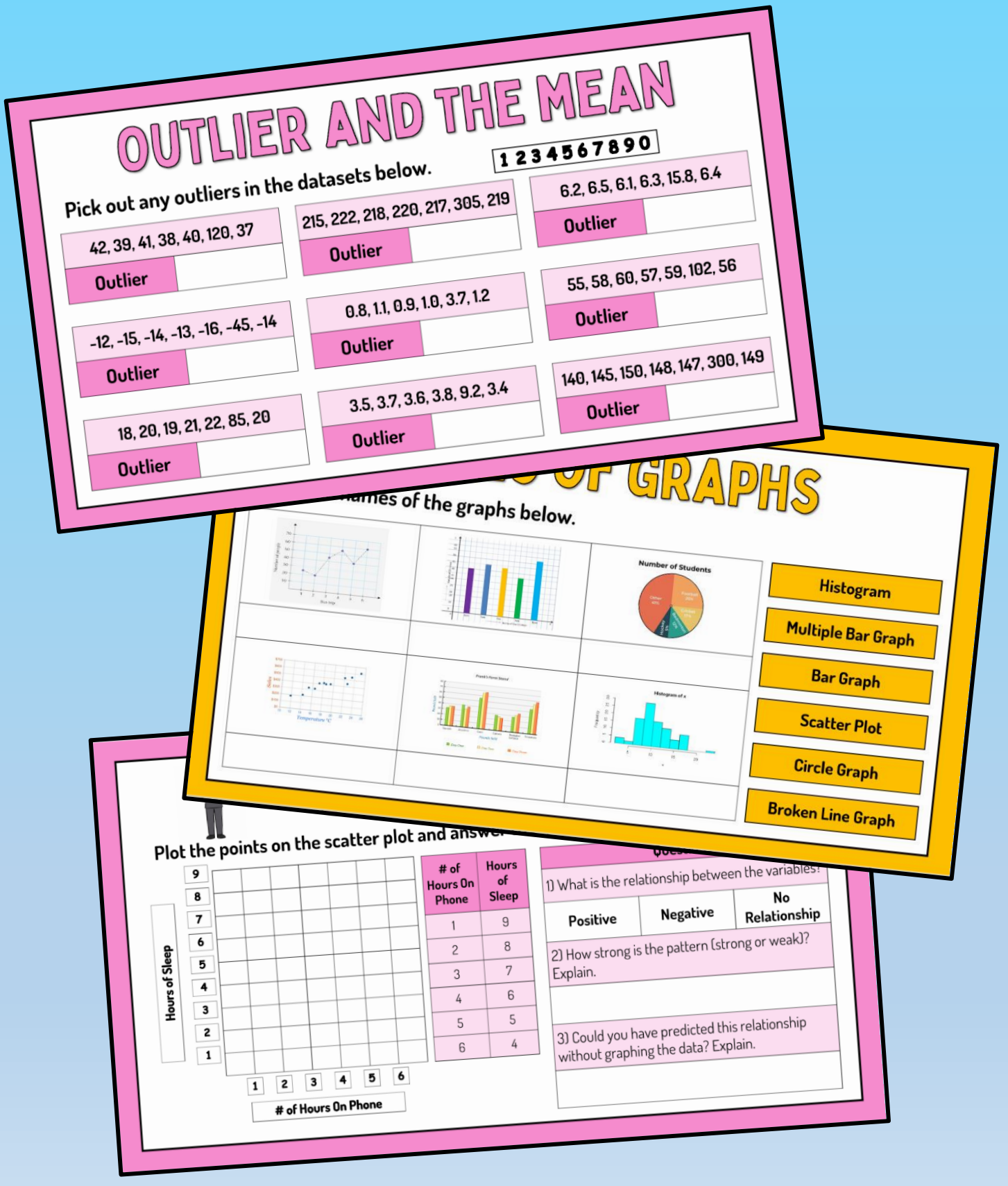

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