

Warm Up DateFeb 10



Which method would you use to collect data to answer this question. How many push ups can you do in 1 min? Explain your method.

Have someone do push ups
for I min as you time them,
with a timer and count. Record as trial!
> Break for 5min
> Repeat Step I

> Complete 3 trials.

Step	1 W		tter of t	he alph Wi		-		used m	ost ofte	n in the	e Englis	sh
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Step	Co	ount the	e numb	raph fro er of tir llts in th	nes ea	ch lette		_				
Α	В	С	D	E	F	G	Н	I	J	K	L	М
N	0	Р	Q	R	S	Т	U	V	W	X	Υ	Z
Step	3 W	hich let	tter occ	curs mo	st ofter	1?						
steh	4 W	rite 2 o	ther thi	ngs you	ı know	from y	our dat	a.				

Gr	6 Math Ch 7	Data Analyasis	Prob Lesson	3 Interpreting	Graphs day	/ 1Fine obtate learners kill ()	2020
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SP3 Graph collected data and analyze the graph to solve problems.

SP4 Demonstrate an understanding of probability by: • identifying all possible outcomes of a probability experiment • differentiating between experimental and theoretical probability • determining the theoretical probability of outcomes in a probability experiment • determining the experimental probability of outcomes in a probability experiment • comparing experimental results with the theoretical probability for an experiment.

SCO: SP3: Graph collected data and analyze the graph to solve problems. [C, CN, PS]					
[C] Communication [T] Technology	[PS] Problem Solving [V] Visualization	[CN] Connections [R] Reasoning	[ME] Mental Math and Estimation		

Scope and Sequence of Outcomes

Grade Five	Grade Six	Grade Seven
SP2 Construct and interpret double bar graphs to draw conclusions.		SP3 Construct, label and interpret circle graphs to solve problems.

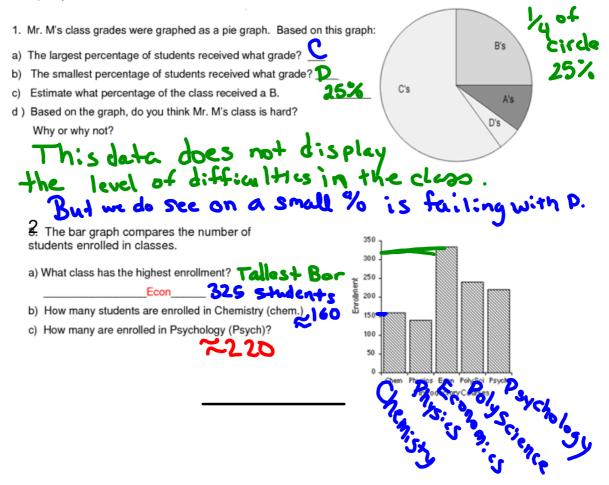
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Interpreting Graphs

Interpreting graphs means reading information from a graph and drawing a conclusion from the data







Interpreting Line Graphs

MUST STUDY

Discrete Data is a line graphs that is series of dots (not connected)

This is for data in which cannot have "part of" an object.(Counted)

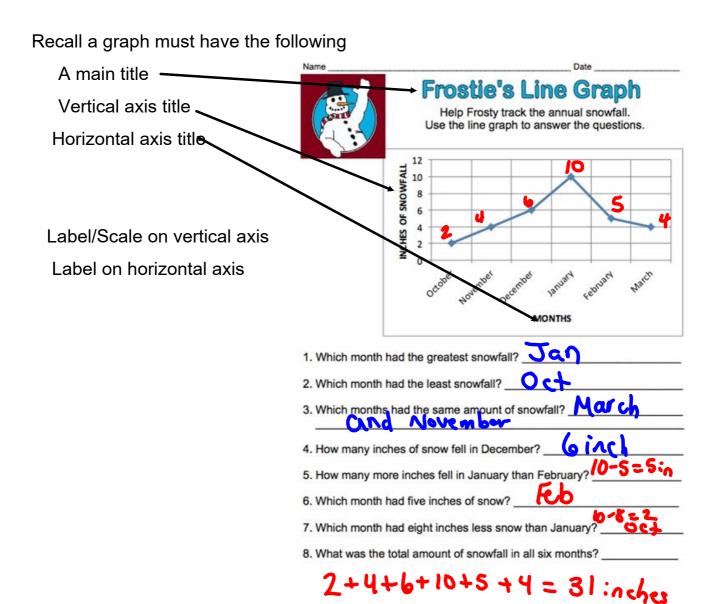
- Ex) Can't have part of people so don't connect
- Ex) A store that sells helmets won't sell 2 and a half helmets

Continuous Data is a line graphs that is connected

This is for data in which can have "part of" an object. Includes decimals. No gaps in data (Measured)

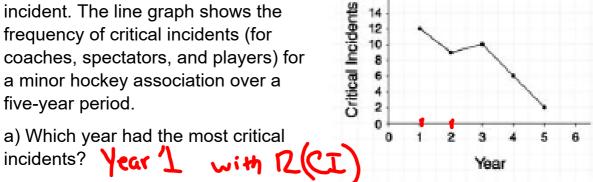
- Ex) Can have part of a dollar
- Ex) Can have part of a year or time

Volume or Capacity are continuous Area or Perimeter



Example)

A rating of 4 or 5 is called a critical incident. The line graph shows the frequency of critical incidents (for coaches, spectators, and players) for a minor hockey association over a five-year period.



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Critical Incidents

- b) Which year had the fewest critical Years (2 CI)
- c) Do you think that behavior at games is getting better or worse? Explain.

Better because the CI Went from 12 in year I down to 2 in Year 5. (Decreased mainly each each)



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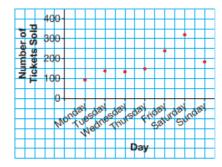


We can save some for tomorrow if not done in class today

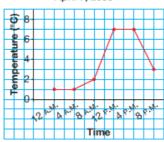


- 1. For each graph below:
 - · What is the title of the graph?
 - · What does each axis show?
 - Why are the points not joined or joined?
 Are the data discrete or continuous?
 - What conclusions can you make from the graph?

a) Number of Tickets Sold at the Local Theatre Over 1 Week



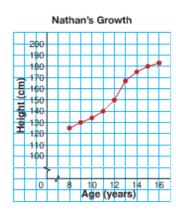
 Temperature in Whistler, BC, April 7, 2008



- Would you use a line graph or a series of points to display each set of data? Explain your choices.
 - a) the temperature of a cup of boiling water as it cools
 - b) the number of goals scored by Jarome Iginla over the last 10 weeks of the 2007–2008 season
 - c) the mass of a puppy in its first year
 - d) the distance travelled by a cross-country skier as she completes the course

- 3. a) What does this line graph show?
 - b) About how tall was Nathan at each age?
 - 8 years
- 12 years
- 15 years
- c) During which year did Nathan grow the most? The least? How does the graph show this?

We use a jagged line to indicate we are not showing all the numbers.



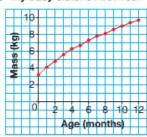


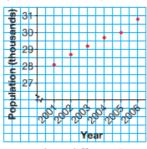
4. Look at the three graphs below.

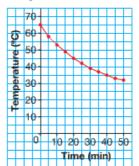


i) My Baby Sister's First Year

ii) Population of Nunavut, 2001-2006 iii) How My Hot Chocolate Cooled



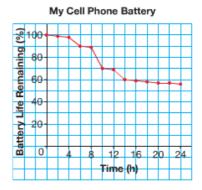




- a) How are the graphs alike? How are they different?
- b) What conclusions can you make from each graph?



- 5. Marina measured the life left in her cell phone battery every two hours for 24 h. She used a line graph to display the data.
 - a) What happened in the first 4 h?
 - b) What happened between hours 4 and 6?
 - c) How many times might Marina have used her cell phone? Explain.
 - d) Between which two hours did Marina use her cell phone the most? How do you know?



- e) What percent of the battery life remained after 24 h?
- f) What other conclusions can you make from the graph?

Alphabet Experiment.docx

Blinking Experiment.docx

Spoon Experiment.docx