

Chapter 4 Warm-Up

Section 4.1 Warm-Up

1. Show each as a percent.

a) $\frac{4}{5}$ b) $\frac{6}{10}$ c) $\frac{14}{20}$

d) $\frac{18}{25}$ e) $\frac{284}{450}$

2. Estimate, and then calculate.

a) 5% of 15

b) 22% of 200

c) 46% of 475

3. A survey asked students about their favourite hot beverage. Forty students responded.

Hot Beverage	Number of Votes
Hot chocolate	9
Tea	6
Coffee	3
Cappuccino	7
Latte	4
Espresso	11

What percent of the students chose hot chocolate as their favourite hot beverage?

4. Represent the survey data from #3 using a circle graph.

5. A local fitness chain has four locations. The number of members is shown for each location. Draw a bar graph to represent the data.

Location	Number of Members
Capital Mall	1600
Eastern Centre	900
Harbour Drive	400
Mount Village	1100



Section 4.2 Warm-Up

1. Cindy keeps track of her customers' favourite sandwiches. What is the most appropriate graph to represent her data?
2. Francine tracks the number of swimmers at the local pool for a day. What is the most appropriate graph to represent her data?
3. Helen keeps a record of the grades for her students over the year. What is the most appropriate graph to represent her data?
4. Jim's class was surveyed about where they want to go on their next field trip. The results are shown.

Location	Number of Votes
The Science Place	12
GeoCentre	15
Marine Institute	18
Salmonier Nature Park	5

Represent the data using an appropriate graph.

5. Tara's class was surveyed about how many hours of television they watch. The results are shown.

Number of Hours Watched	Tally
0–5.5	II
5.5–10.5	III
10.5–15.5	III
15.5–20.5	III III
More than 20.5	III III II

Represent the data using an appropriate graph.



Section 4.3 Warm-Up

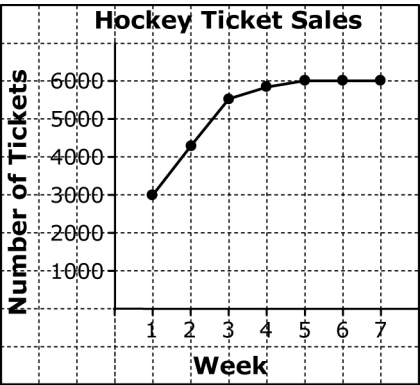
Use the table to answer #1 to #3.

Age (years)	Height (in.)
0	22
1	28
2	30
3	33
4	37
5	40
6	41
7	43

Maria's mother kept a record of Maria's height on her birthday until she was 7 years old.

1. Create a graph to represent the data.
2. What is Maria's approximate height at 3.5 years old?
3. Predict Maria's approximate height at 8 years old.

Use the graph to answer #4 and #5.



4. The graph shows the weekly hockey tickets sales at Mile One Centre. Describe the trend over time for the number of hockey ticket sales.
5. Is it possible for the graph to constantly increase? Explain why or why not.

