

Chapter One Closure

First: \_\_\_\_\_ Last: \_\_\_\_\_

Class Period: \_\_\_\_\_

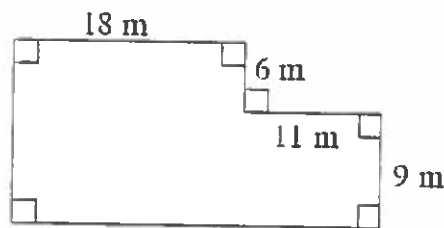
CL 1-142.

Vanson has a bunch of boxes that are all the same. He stacked four boxes, measured the stack, and found that it was three feet high.

- How high will a stack of 20 of these boxes be?
- The ceiling in the room where Vanson is working is just a little more than 9 feet high. He wants to stack boxes from the floor to the ceiling. How many boxes will fit in one stack?

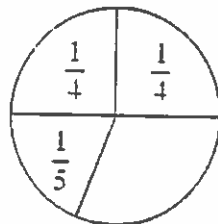
CL 1-143.

Find the perimeter and area of Jacob's swimming pool shown in the diagram below. Be sure to show all of your work.



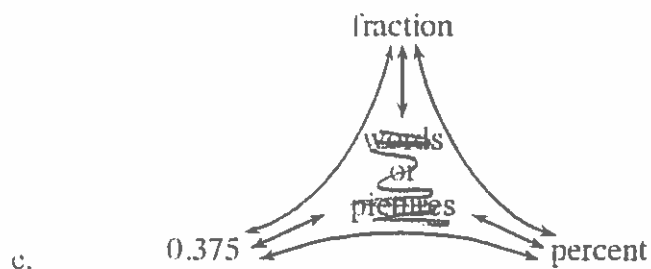
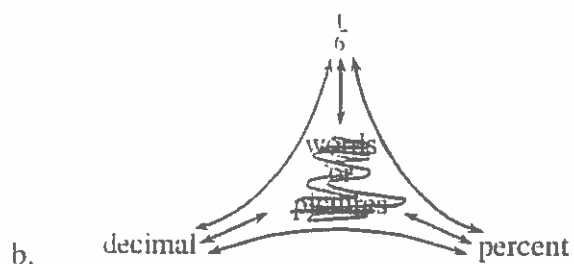
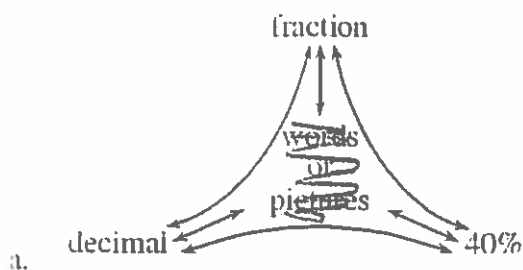
CL 1-144.

Tuan is playing a game, but the spinner is incomplete. If the numbers in the sections of the spinner represent the probabilities of spinning each section, help him figure out the fraction for the missing section of the spinner.



CL 1-145.

Complete each portions web.



CL 1-146.

Add  $\frac{1}{6} + \frac{1}{2}$  Show all of your steps.

CL 1-147.

Write "theoretical" or "experimental" to describe the following situations.

- The chance of rolling a sum of 3 with two number cubes is  $\frac{1}{18}$ .
- I drew five cards out of a deck and got clubs three times.
- I bought six raffle tickets and did not win anything.
- Based on a mathematical model, the chance of a flood next year is 1.2%

CL 1-148.

The county-fair prize wheel has equally spaced sections with the following colors: one is golden, two are silver, three are green, four are blue, six are red, and nine are yellow.

- What is the probability of landing on gold? Give your answer as a fraction and as a percent.
- If the probability of landing on yellow is 36%, what is the probability of not landing on yellow?
- If the wheel is spun 100 times, how many times would you expect it to land on silver?