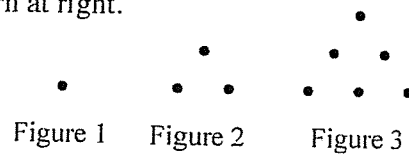


1-18. ~~Additional Challenge~~ Additional Challenge: Study the dot pattern at right.

a. Sketch the 4th and 5th figures.



b. Predict how many dots will be in the 10th figure. Show how you know.

c. Predict how many dots will be in the 100th figure. Show how you know.

d. In what ways is this pattern different from the previous pattern in this lesson?

1-19. Study the dot patterns in parts (a) and (b) below. Assume that each pattern continues to increase by the same number of dots and in the same locations for each figure. For each pattern, sketch the 4th and 5th figures. Then predict how many dots will be in the 100th figure.

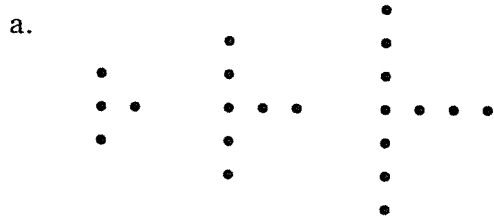


Figure 1 Figure 2 Figure 3



Figure 1 Figure 2 Figure 3

c. For each pattern, explain how you made your prediction for the 100th figure.

1-20. The value of a decimal becomes clearer when the place value is spoken or written as the number it names. For example, 0.1 makes more sense if it is read as “one-tenth” rather than “zero point one.”

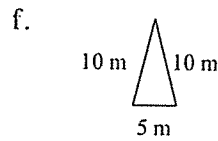
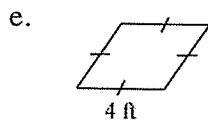
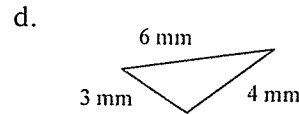
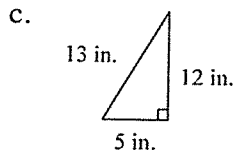
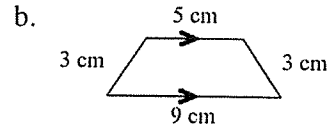
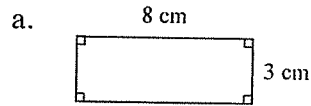
a. Write the following numbers in words so that the place value can be identified.

0.4 1.3 0.56 2.008

b. Now reverse your thinking. Write the decimals that go with the following words.

thirty-five-hundredths three and two-tenths six-hundredths

- 1-21. Find the perimeter of each figure below. The markings on part (b) mean that the lines are parallel. The markings on part (e) show that all sides are the same length. As you find each perimeter, be sure to show your work.



- 1-22. For each shape shown in problem 1-21, choose one of the labels below that best describes it. Be as specific as you can. Look in the glossary of this book for more information if you do not remember what one of the words describes.

right triangle

scalene triangle

obtuse triangle

isosceles triangle

rhombus

rectangle

square

trapezoid

hexagon

- 1-23. Use the bar graph at right to answer the following questions.

- How many people attended the fair on Tuesday?
- Which day had the largest attendance?
- What was the total attendance for the week?

