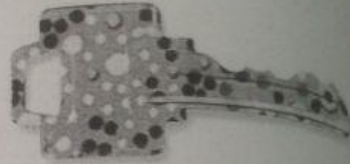


9-1

Exercises

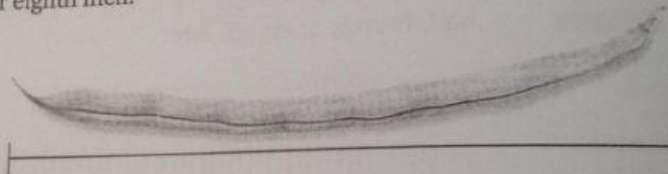
GUIDED PRACTICE

- See Example 1 What unit of measure provides the best estimate? Explain.
1. A pencil is about 7 ? long.
- See Example 2 2. A tube of toothpaste weighs about 8 ?.
- See Example 3 3. A swimming pool holds about 20,000 ? of water.
- See Example 4 4. Use a ruler to measure the length of the key to the nearest half, fourth, or eighth inch.



INDEPENDENT PRACTICE

- See Example 1 What unit of measure provides the best estimate? Explain.
5. The distance from New York City to Boston is about 200 ?.
- See Example 2 6. A small dog weighs about 12 ?.
- See Example 3 7. A pot for cooking soup holds about 10 ? of water.
- See Example 4 8. Use a ruler to measure the length of the green bean to the nearest half, fourth, or eighth inch.



PRACTICE AND PROBLEM SOLVING

Extra Practice

See page EP19.

Which unit of measure would you use for each? Justify your answer.

- | | |
|--------------------------------------|-------------------------------------|
| 9. the height of a flagpole | 10. the width of a CD case |
| 11. the capacity of a car's gas tank | 12. the capacity of a baby's bottle |
| 13. the weight of an egg | 14. the weight of a chair |

Use benchmarks to estimate each measure.

- | | |
|-------------------------------------|----------------------------------|
| 15. the width of your math textbook | 16. the width of an armchair |
| 17. the capacity of a flower pot | 18. the weight of an alarm clock |

19. **Critical Thinking** When would you choose to measure to the nearest eighth inch rather than the nearest fourth inch?