Section 2 Extra Skill Practice

Look for a pattern and replace each ? with the correct term. Describe the rule you used for each sequence.

1. 25, 50, 75, 100, ?, ?, ?, ?, ?, 250
2. 13, 16, 19, 22, ?, ?, ?, ?, ?, 40
3. 144, 132, 120, 108, ?, ?, ?, ?, ?, 36
4. $\frac{1}{3}, \frac{1}{6}, \frac{1}{9}, \frac{1}{12}$, ?, ?, ?, ?, ?, $\frac{1}{30}$
5. 1, 3, 9, 27, ?, ?, ?, ?, ?, 19,683

For each sequence,

- copy and complete the table,
- write an equation for the rule for the sequence, and
- use your rule to find the 40th term.

6.

Term number	1	2	3	4	?	?	?	?
Term	499	498	497	496	?	?	?	?

7.

Term number	10	11	12	13	?	?	?	?
Term	100	110	120	130	?	?	?	?

8.

Term number	1	2	3	4	?	?	?	?
Term	14	16	18	20	?	?	?	?

Study Skills Getting to Know Your Textbook

When you begin a new course, it is helpful to get to know your textbook. Then you will be able to find information you need quickly.

1. Look through pages xii–xix. Describe two features of your textbook that are illustrated in these pages.
2. A section of student resources appears at the back of your textbook. Make a list of all these resources.
3. Find the Toolbox. Which page of the Toolbox contains help with rounding whole numbers?