## Homework

1. Design the blank pot below by drawing a pattern that meets the following conditions.

- At least three different shapes are used.
- The pattern begins with a square or a circle.
- The pattern is repeated at least two times.
- At least two different colors are used.


2. Describe your pattern.
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$\qquad$
3. Suppose 184 students from Wilson Middle School complete this page at home. If each student draws 9 shapes on his or her pot, how many shapes in all would be drawn?

## Rememberthg

Add or subtract.

1. 8,500
$-1,265$
2. 24,187

- 14,856

3. 683,519
$+292,744$

Solve using any method and show your work. Check your work with estimation.
4. 19
$\begin{array}{r} \\ \times 82 \\ \hline\end{array}$
5. 649
$\begin{array}{r}\times \quad 3 \\ \hline\end{array}$
6. 2,934

| $\times \quad 8$ |
| :--- |

Use the rule to find the next five terms in the pattern.
7. $3,6,12,24, \ldots$
8. $25,60,95,130, \ldots$
Rule: multiply by 2
Rule: add 35

Use the rule to find the first ten terms in the pattern.
9. First term: 18

Rule: add 12
10. Stretch Your Thinking For a cookie exchange, Kaiya bakes 2 pans of 12 chocolate chip cookies each, 3 pans of 16 lemon drops each, and 4 pans of 10 peanut butter cookies each. She is dividing the cookies into 8 tins, with an equal number of each type of cookie in each tin. How many of each type of cookie will be in each tin? How many cookies in all will be in each tin? Explain.
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