

Problem Solving: Look for a Pattern

Find the missing numbers. Describe the pattern.

1. $\frac{1}{8}, \frac{6}{8}, \frac{11}{8}, \frac{16}{8},$ _____, _____, _____, _____, $\frac{41}{8}$ _____

2. $\frac{1}{4}, \frac{1}{2}, 1,$ _____, _____, _____, _____, 32, 64 _____

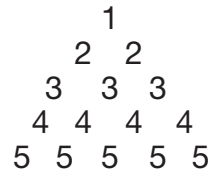
3. 1.1, 1.1, 2.2, 6.6, _____, _____, _____, _____ _____

4. $14\frac{1}{2}, 12\frac{3}{4}, 11,$ _____, _____, _____, _____, $2\frac{1}{4}, \frac{1}{2}$ _____

5. 27, 9, 3, 1, $\frac{1}{3},$ _____, _____, _____, _____ _____

6. 3, 5, 9, 15, _____, _____, _____, _____, 75 _____

7. **Number Sense** In the figure, the sum of each row forms a pattern. What is the sum of the seventh row?



8. Which figure completes this pattern?



9. **Writing to Explain** How can you find the answer to 7 without finding the sum of the numbers in a row?

