



Problem Solving: Find a Pattern

TAKS Objectives 1, 6
TEKS 4.14B, 4.14C, 4.16A

Find a pattern to solve.

1. Buses are scheduled to leave every 2 hours. If Bus #1 leaves at 1:00, then Bus #2 will leave at 3:00. If this pattern continues what time will Bus #5 leave?

3. Josh is training for a race. The first week he runs 0.5 mile. The second week he runs 1 mile. The third week he runs 1.5 miles. If this pattern continues how far will he run in the fifth week?

5. One can of corn costs \$0.75, two cans cost \$1.50. Three cans of corn cost \$2.25. If the pattern continues how much will five cans cost?

2. Jared is reading a book. Chapter 1 begins on page 6, Chapter 2 begins on page 12, and Chapter 3 begins on page 18. If the chapters all have the same number of pages, on what page will Chapter 6 begin?

4. Maya is counting boxes of crayons. Each box has 24 crayons in it. Maya starts with 1 box and counts 24 crayons. Then she counts a second box, so now she has counted 48 crayons. If this pattern continues how many crayons will she have counted after 6 boxes?

6. One box of cereal costs \$5. If you buy more than 1 box then you save \$1.00 per box. How much would 8 boxes of cereal cost?
