

Problem-Solving Strategy: Find a Pattern

Problem The dance team is ordering costumes from a catalog. The catalog charges a shipping and handling fee depending on the number of costumes ordered. The chart shows the shipping and handling fee. If the pattern continues, what will be the shipping and handling fee for 7 costumes?

| Number of Costumes | Fee |
|--------------------|---------|
| 1 | \$8.00 |
| 2 | \$15.50 |
| 3 | \$22.50 |
| 4 | \$29.00 |
| 5 | \$35.00 |
| 6 | |
| 7 | |



1. How many patterns do you need to find? What quantities are in the patterns?



2. Does the pattern involve addition or subtraction? How can you tell?



3. What is the shipping and handling fee for 6 costumes? 7 costumes?



4. Tell why your answer is reasonable.
