

Lesson 5 Problem-Solving Practice

Graph Ratio Tables

PHOTOGRAPHY A photography store sells black and white film. The cost of 1, 2, and 3 rolls of black and white film are shown in the table.

Black and White Film Costs	
Number of Rolls	Cost (\$)
1	4
2	8
3	12

1. List this information as ordered pairs (number of rolls of film, cost).
2. Graph the ordered pairs. Then describe the graph.

EXERCISE The table shows the time it takes Bernard to jog 1, 2, 3, and 4 laps around the track.

Number of Times Around Track	Total Time (min)
1	5
2	10
3	15
4	20

3. List this information as ordered pairs (number of times around track, total time).
4. Graph the ordered pairs. Then describe the graph.

FOOTBALL In football, each field goal made scores 3 points. The table shows this relationship.

Field Goals Made	Total Points
0	0
1	3
2	6
3	9

5. List this information as ordered pairs (field goals made, total points).
6. Graph the ordered pairs. Then describe the graph.

JEWELRY The table gives the number of beads needed to make bracelets of lengths 7, 8, 9, and 10 inches.

Bracelet Length (in.)	7	8	9	10
Number of Beads	28	32	36	40

7. List this information as ordered pairs (bracelet length, number of beads).
8. Graph the ordered pairs. Then describe the graph.