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## Lesson 4 Skills Practice

## Proportional and Nonproportional Relationships

For Exercises 1-3, use the table of values. Write the ratios in the table to show the relationship between each set of values.
1.

| Number of Hours | 1 | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: | :---: |
| Total Amount Earned | $\$ 15$ | $\$ 30$ | $\$ 45$ | $\$ 60$ |
| Ratios |  |  |  |  |

2. 

| Number of Packages | 1 | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: | :---: |
| Total Cost | $\$ 11$ | $\$ 20$ | $\$ 29$ | $\$ 38$ |
| Ratios |  |  |  |  |

3. 

| Number of Classrooms | 1 | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: | :---: |
| Total Students | 24 | 48 | 72 | 92 |
| Ratios |  |  |  |  |

For Exercises 4-8 use the table of values. Write proportional or nonproportional.
4.

| Number of Hours | 1 | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: | :---: |
| Total Amount Earned | $\$ 0.99$ | $\$ 1.98$ | $\$ 2.97$ | $\$ 3.96$ |

5. 

| Number of Hours | 1 | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: | :---: |
| Total Amount Earned | $\$ 17.25$ | $\$ 35.50$ | $\$ 50.75$ | $\$ 70$ |

6. 

| Number of Hours | 1 | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: | :---: |
| Number of Pages Read in Book | 37 | 73 | 109 | 145 |

7. 

| Number of Lunches | 1 | 2 | 3 | 4 |
| :--- | :---: | :---: | :---: | :---: |
| Total Cost | $\$ 2.75$ | $\$ 5.50$ | $\$ 8.25$ | $\$ 11$ |

8. Fred is ordering pies for a family reunion. Each pie costs $\$ 4.50$. For orders smaller than a dozen pies, there is a $\$ 5$ delivery charge. Is the cost proportional to the number of pies ordered? Use a table of values to explain your reasoning.
