| LESSON | **Proportional Relationships and Graphs** |
|---|---|
| **2-3** | *Practice and Problem Solving: D* |

**Tell whether the relationship is a proportional relationship. Explain your answer. The first one is done for you.**
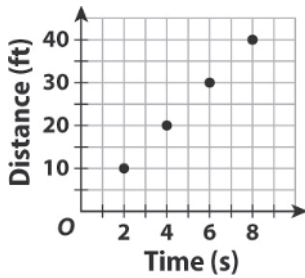
1. Each shirt costs $10.

| Shirts | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Cost ($) | 10 | 20 | 30 | 40 |

**proportional; The cost is always**

**10 times the number of shirts.**

2. There are 50 crayons in each box.

| Boxes of crayons | 1 | 2 | 3 |
|---|---|---|---|
| Crayons | 50 | 100 | 150 |

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3. A person walks 5 feet per second.



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4. A gym costs $20 per month plus a fee.



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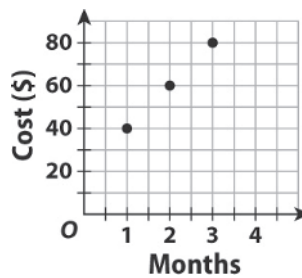
**Write an equation for the proportional relationship with the given constant of proportionality *k*. The first one is done for you.**

5. $k = 6$

____**y = 6x**____

6. $k = 4$

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7. $k = \dfrac{1}{3}$

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8. The graph shows the relationship between the money earned and the number of hours worked. Determine the constant of proportionality for this relationship. Show your work.

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