

NAME \_\_\_\_\_

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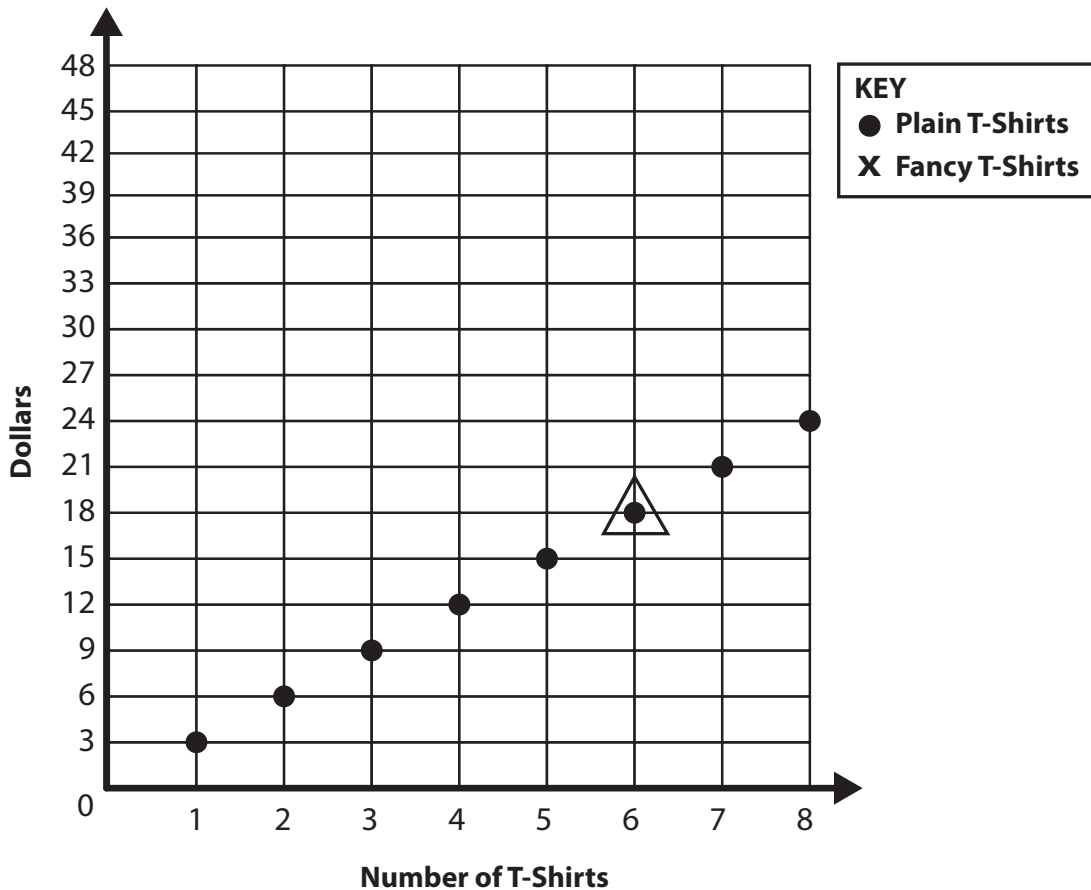


## Graphing Patterns Checkpoint page 1 of 2

- 1** The T-Shirt Shack is having a big sale. You can get plain T-shirts for \$3.00 each and fancy T-shirts with pictures on them for \$6.00 each. Fill in the table below to show how much you would have to pay for different numbers of T-shirts.

Number of Shirts	1	2	3	4	5	6	7
Plain T-shirts	\$3.00						
Fancy T-shirts	\$6.00						

- 2** Henry’s grandma decided to go to the sale and buy T-shirts for all her grandchildren. She got 8 plain T-shirts, and 8 fancy T-shirts. Henry decided to make a graph about the T-shirts his grandma bought, but he only got partway finished.
- a** Did he graph the cost of the plain or the fancy T-shirts?
  - b** Label each of the ordered pairs that Henry graphed.
  - c** Graph and label the ordered pairs for the other kind of T-shirts.



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- 3** Find the coordinate point on the graph with a triangle around it. What information does this point give someone reading the graph? Fill in the bubbles beside all the statements that fit.
- Grandma paid \$18 for 6 fancy T-shirts.
  - Grandma paid \$18 for 6 plain T-shirts.
  - Six plain T-shirts cost half as much as 6 fancy T-shirts.
  - Six plain T-shirts cost one-third as much as 6 fancy T-shirts.
- 4** Henry's cousin, Katy, was looking at his graph and said, "The coordinate points for the fancy T-shirts make a steeper line than the coordinate points for the plain T-shirts." Explain to Katy why it works this way.