Exploring Linear Relationships: 1

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 20 pounds of recyclable materials before the event began. Each day, they collect 5 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 2

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 15 pounds of recyclable materials before the event began. Each day, they collect 5 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 3

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 20 pounds of recyclable materials before the event began. Each day, they collect 4 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 4

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 16 pounds of recyclable materials before the event began. Each day, they collect 4 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 5

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 25 pounds of recyclable materials before the event began. Each day, they collect 5 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 6

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 30 pounds of recyclable materials before the event began. Each day, they collect 6 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 7

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 10 pounds of recyclable materials before the event began. Each day, they collect 2 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 8

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 18 pounds of recyclable materials before the event began. Each day, they collect 6 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 9

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 18 pounds of recyclable materials before the event began. Each day, they collect 3 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.

Exploring Linear Relationships: 10

Read the scenario, then answer the following questions. Use the space provided to show your work. You will later use your answers to create a poster.

# Story

The Green Teens Club at Riverside Middle School is organizing a recycling drive. They had 21 pounds of recyclable materials before the event began. Each day, they collect 3 more pounds.

# Table

Create a table showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| day | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| pounds |  |  |  |  |  |  |  |  |  |  |  |

# Graph

Create a graph showing how many total pounds of recyclable materials have been collected, starting with day 0 and continuing through day 10. Think about which is the dependent and independent variable. Use this information to label your graph.



# Equation

Write an equation showing how many pounds of recyclable materials have been collected.