Explaining X and Y with Proportionality

Determine what the value of A means in each problem.

1)

Pieces of Candy (y-axis) vs Boxes of Candy (x-axis)

A ●(1 , 45)

2)

Points Earned (y-axis) vs Enemies Defeated (x-axis)

A ●(1 , 832)

3)

Distance (miles) (y-axis) vs Hours (x-axis)

A ●(1 , 65)

4)

Batches of Cookies (y-axis) vs Cups of Flour (x-axis)

A ●(1 , 4)

5)

Price (y-axis) vs Pounds of Meat (x-axis)

A ●(1 , 3)

6)

Lemons Used (y-axis) vs Glasses of Lemonade (x-axis)

A ●(1 , 19)

Name:

Determine what the value of A means in each problem.

1)

(y-axis: Pieces of Candy, x-axis: Boxes of Candy, point A (1 , 45))
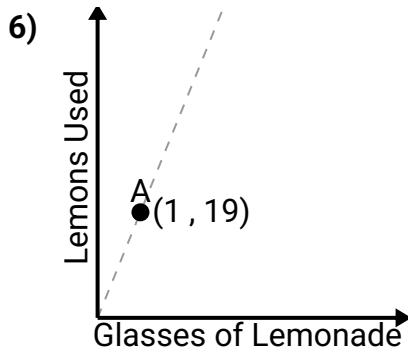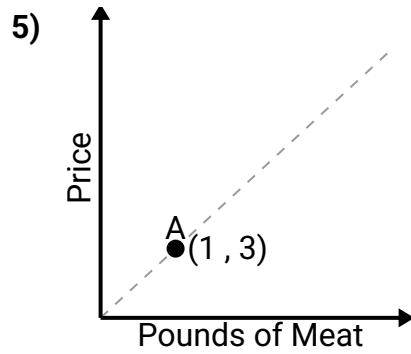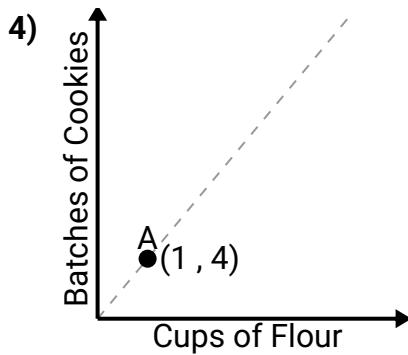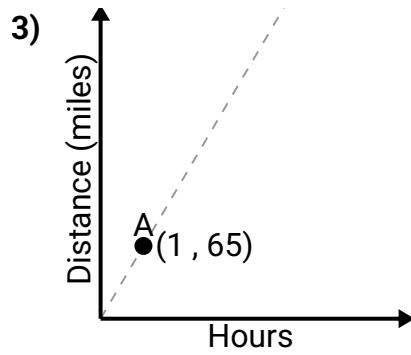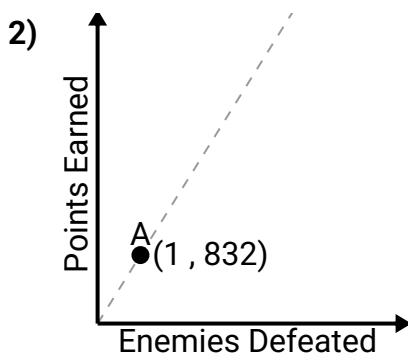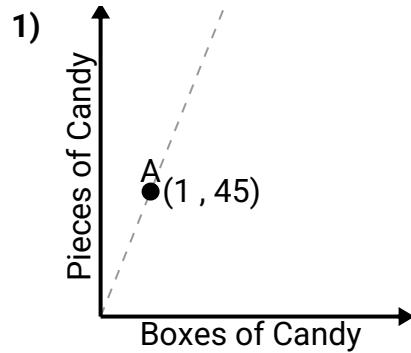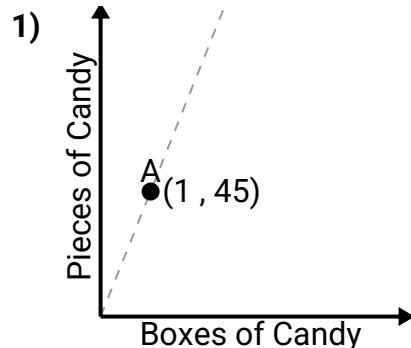
Every box of candy has 45 pieces of candy.

2)

(y-axis: Points Earned, x-axis: Enemies Defeated, point A (1 , 832))
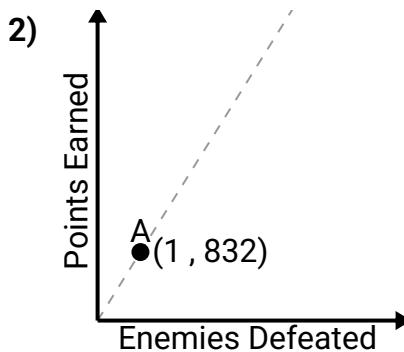
For every enemy defeated 832 points are earned.

3)

(y-axis: Distance (miles), x-axis: Hours, point A (1 , 65))
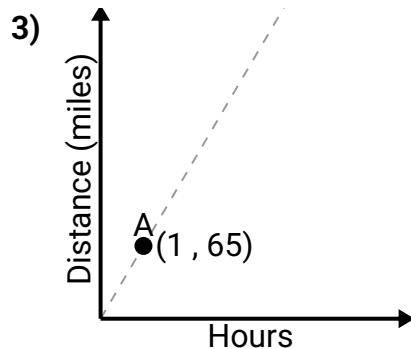
Every hour 65 miles are travelled.

4)

(y-axis: Batches of Cookies, x-axis: Cups of Flour, point A (1 , 4))
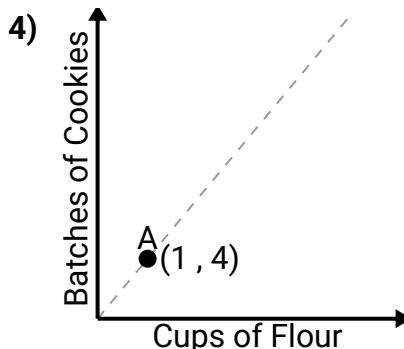
For every cup of flour 4 batches of cookies can be made.

5)

(y-axis: Price, x-axis: Pounds of Meat, point A (1 , 3))
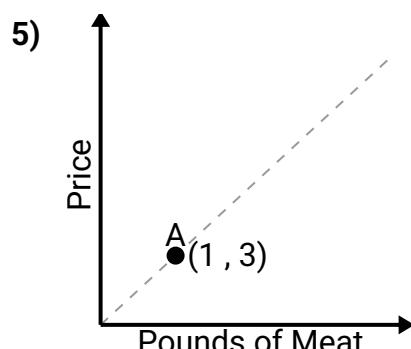
Every pound of meat costs $3.

6)

(y-axis: Lemons Used, x-axis: Glasses of Lemonade, point A (1 , 19))
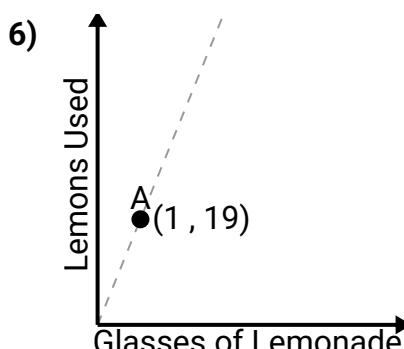
Every glass of lemonade requires 19 lemons.