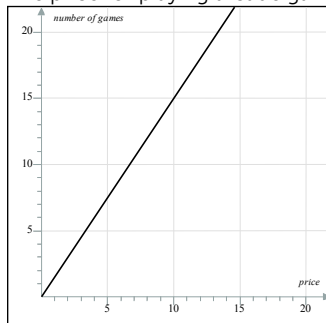Name _____   Topic: Interpreting Graphs of
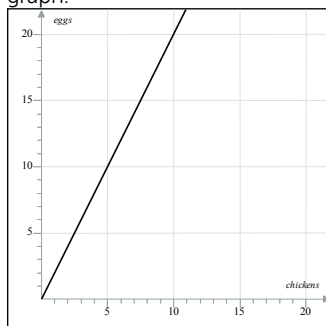   Proportional Relationships

1. The price for playing arcade games is shown in the graph.

   What does the point $(2,3)$ represent on the graph?

   (A)   2 games cost $3.   (B)   3 games cost $2.

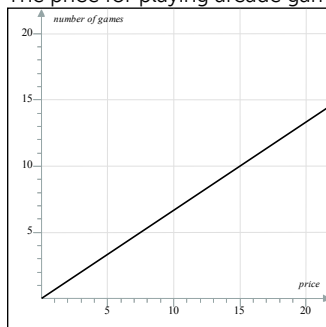2. The number of eggs farmer Joe's chickens produce each day are shown in the
   graph.   -----

   What does the point $(3, 6)$ represent on the graph?

   (A)   6 chickens produce 3 eggs a day.

   (B)   3 chickens produce 6 eggs a day.
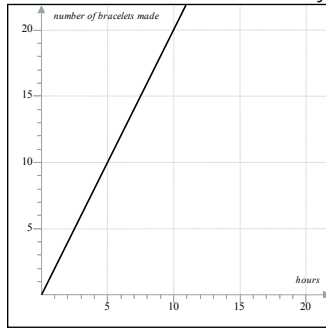
3. The price for playing arcade games is shown in the graph.

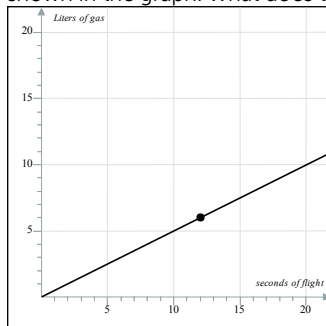   What does the point $(3,2)$ represent on the graph?

   (A)   2 games cost $3.   (B)   3 games cost $2.

4. The amount of time it takes Sally to make beaded bracelets is shown on the graph.
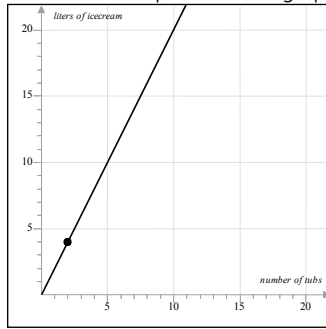

Which of the following statements is true?

A Sally can make 3 bracelets every 6 hours.

B Sally can make 6 bracelets every 3 hours.

C Sally can make 6 bracelets every 6 hours.

D Sally can make 6 bracelets every 12 hours.

5. The number of liters of gas used by a fighter jet over a certain number of seconds is shown in the graph. What does the point on the graph represent?
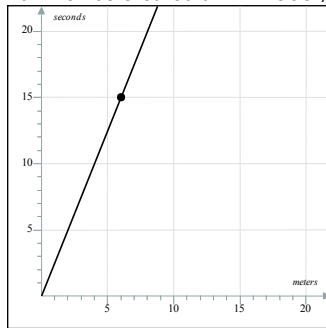

A 6 liters of gas are used by the fighter jet every 12 seconds.

B 12 liters of gas are used by the fighter jet every 6 seconds.

6. What does the point on the graph show?

- **A** 2 liters of ice cream is packed into 4 tubs.

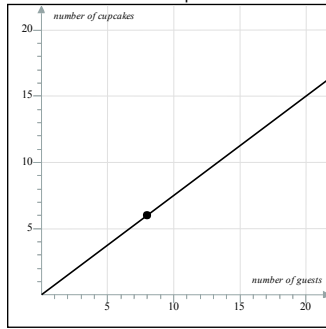- **B** 4 liters of ice cream is packed into 2 tubs.

7. Xanthe has created a mini robot, and has measured how quickly it travels.

What does the point on the graph show?

- **A** In 15 seconds the robot travels 6 meters.

- **B** In 6 seconds the robot travels 15 meters.

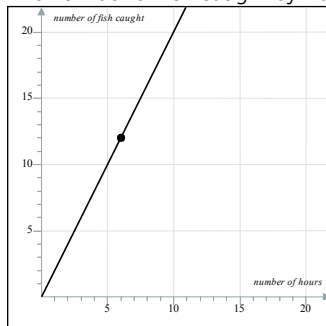8. The number of cupcakes eaten at a party is shown on the graph.

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a. What does the point on the graph represent?

(A) 6 cupcakes are eaten by 8 guests.

(B) 8 cupcakes are eaten by 6 guests.

b. Bianca is having a party, and expects to have 32 guests. According to the rate shown on the graph, how many cupcakes should she buy?

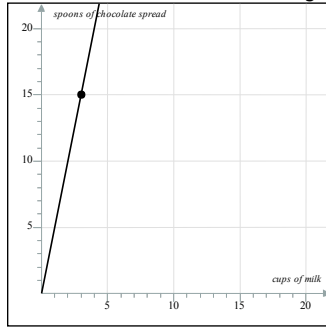9. The number of fish caught by David last weekend is shown by the graph.

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a. According to the graph, which of the following is true?

(A) 12 fish were caught in 6 hours.

(B) 6 fish were caught in 12 hours.

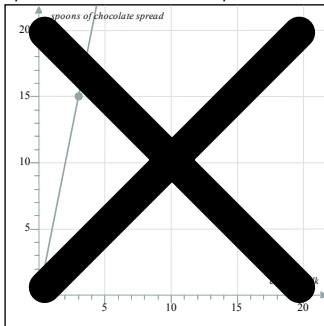b. How many fish would David expect to catch in 2 hours?

10. The amount of chocolate spread and milk that can be heated up together to make a hot chocolate is shown in the graph.

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a. What does the point on this graph show?

(A)   3 spoons of chocolate spread should be heated with 15 cups of milk.

(B)   15 spoons of chocolate spread should be heated with 3 cups of milk.

b. According to this relationship, plot the point on the graph that represents how many spoons of chocolate spread should be mixed with 1 cup of milk.

(Plot the point on the graph above in part a)