Choose the correct answer.
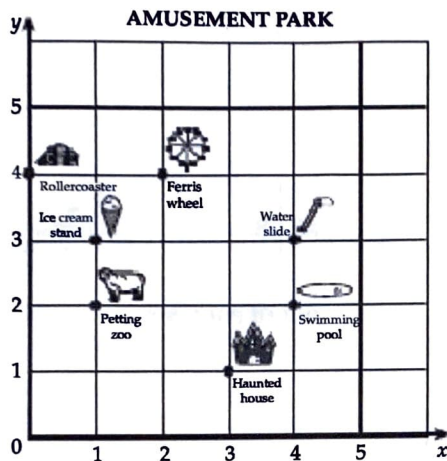
Use the coordinate grid for 1–2.

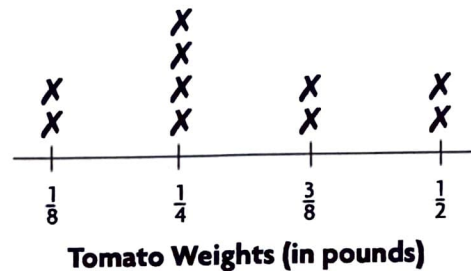The map shows the location of the attractions in an amusement park.

AMUSEMENT PARK

1. Which attraction is located at (0, 4)?

(A) Rollercoaster

B Ferris Wheel

C Water Slide

D Haunted House

2. Which ordered pair describes the location of the Petting Zoo?

A (3, 1)

B (2, 2)

C (2, 0)

(D) (1, 2)

Use the line plot for 3–4.

Kim picked some tomatoes from her garden. She weighed and recorded the weights of each tomato. The line plot shows the data.

Tomato Weights (in pounds)

3. What was the total weight, in pounds, of Kim's tomatoes?

A $2\frac{1}{4}$ pounds

(B) 3 pounds

C 6 pounds

D 10 pounds

4. What was the average weight, in pounds, of the tomatoes that Kim picked?

A $\frac{1}{4}$ pound

(B) $\frac{3}{10}$ pound

C $\frac{5}{16}$ pound

D $\frac{5}{8}$ pound

GO ON

Use the table for 5–6.

Wanda made a table to figure out how many ounces of flour she uses to make a batch of cupcakes.

Flour in Cupcakes

Batches	1	2	3	4	6
Number of Ounces of Flour	8	16	24	32	48
Number of Cupcakes	16	32	48	64	?

5. Which rule relates batches to the number of ounces of flour?

   A Add 8.

   B Add 16.

   c Multiply by 2.

   D Multiply by 8.

6. Suppose Wanda wants to make 6 batches of cupcakes. Using the rule that relates batches to the number of cupcakes, find how many cupcakes she will make if she makes 6 batches.

   A 60
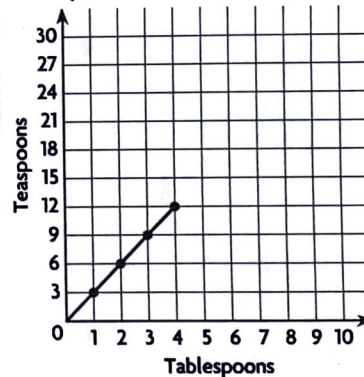
   B 72

   c 72

   D 96

7. Kareem made a table showing how much he earned each month mowing lawns.

Lawn Mowing Earnings

Month	April	May	June	July	August
Amount Earned	$40	$55	$60	$75	$50

What are the most appropriate scale and interval for Kareem to use to make a line graph of the data?

   A Scale: 0 to 50, Interval: 2

   B Scale: 0 to 50, Interval: 5

   c Scale: 0 to 100, Interval: 10

   D Scale: 0 to 100, Interval: 20

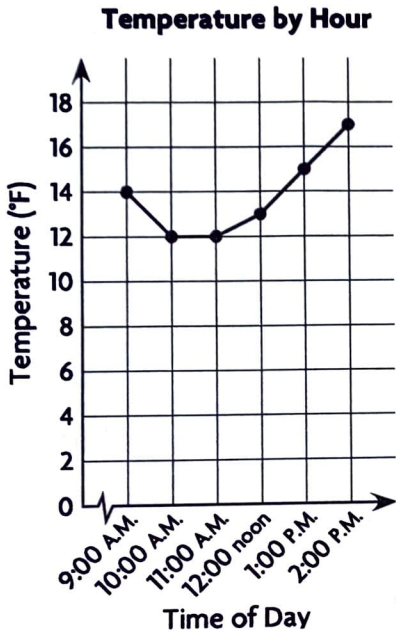**8.** A cooking teacher made a graph to show the relationship between tablespoons and teaspoons.

What rule relates the number of tablespoons to the number of teaspoons?

   A Multiply the number of tablespoons by $\frac{1}{3}$.

   B Multiply the number of tablespoons by $\frac{1}{2}$.

   c Multiply the number of tablespoons by 2.

   D Multiply the number of tablespoons by 3.

GO ON

Use the graph for 9–10.

For his science fair project, Edwin recorded the temperature, in degrees Fahrenheit (°F), every hour for 6 hours on 1 day. He used this data to make a line graph.
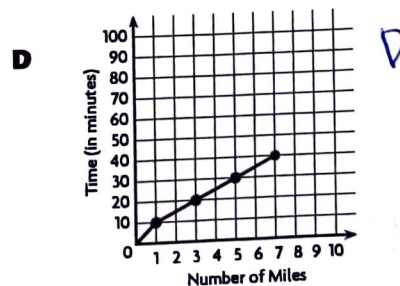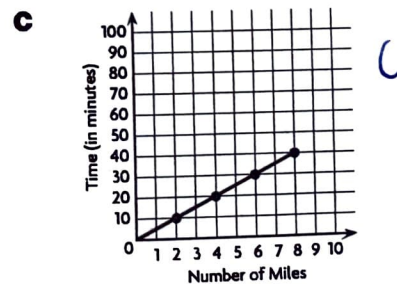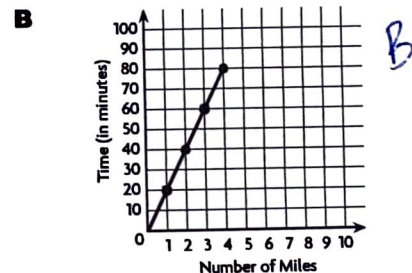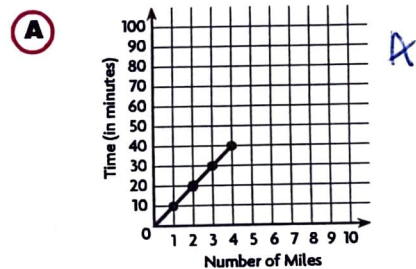
Temperature by Hour

9. At what times was the temperature the same?

A 9 A.M. and 10 A.M.

B 10 A.M. and 11 A.M.

C 11 A.M. and 12 noon.

D 12 noon. and 1 P.M.

10. Which statement is true for the temperatures after 12:00 noon?

A The temperature increased by $\frac{1}{2}$ °F each hour.

B The temperature increased by 1 °F each hour.

C The temperature increased by $1\frac{1}{2}$ °F each hour.

D The temperature increased by 2 °F each hour.

11. Randy is training for a road race. She makes a table that shows how long it takes her to run different distances.

Running Time and Distance

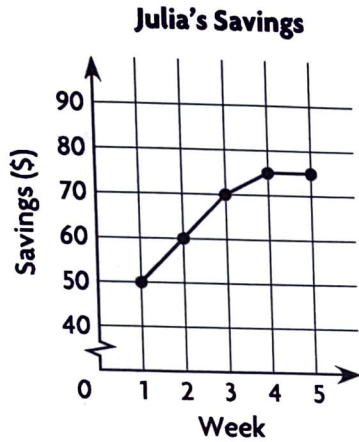| Number of Miles	1	2	3	4
Time (in minutes)	10	20	30	40

Which line graph shows the relationship between the number of miles Randy runs and the time it takes her to run that distance?

A

B

C

D

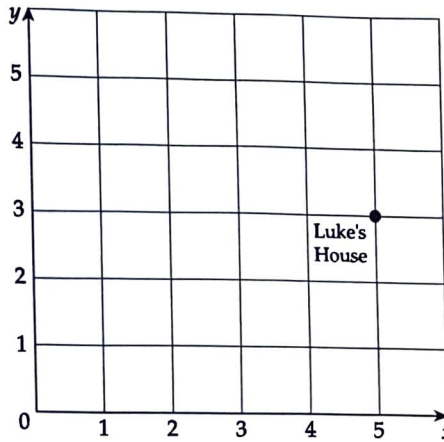GO ON

Form B • Mixed Response

Name _____

12. Julia saves some of the money she earns from babysitting. The line graph shows the amounts in Julia's savings account for the first 5 weeks of the year. Which ordered pair names the data point for Week 3?

Julia's Savings

(3, 70)

13. On a coordinate map, Luke's house is located at the point shown.

Which ordered pair describes the location of Luke's house?

(5, 3)

GO ON

14. Jason is buying a new home theater system on layaway for $349. If he makes a down payment of $25 and pays $54 each week, how many weeks will it take Jason to pay for the home theater system?
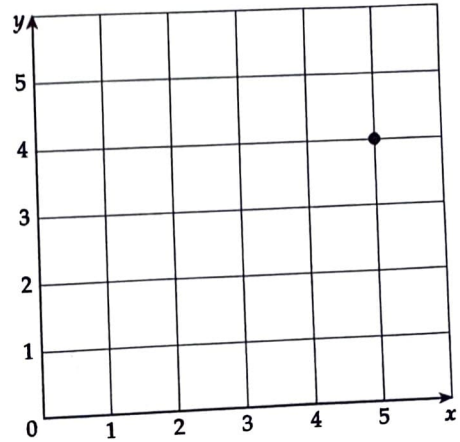
_____ **6 weeks** _____

15. What is the unknown number in Sequence 2 in the chart?

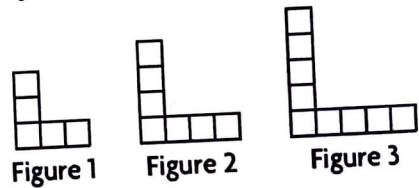| Sequence Number	1	2	3	5	7
Sequence 1	4	8	12	20	28
Sequence 2	12	24	36	60	?

_____ **84** _____

16. Jaime plotted a point at $(5, 4)$.

What point is a distance of 4 horizontal units from the point Jaime plotted?

_____ **(1, 4) or (9,4)** _____

17. Skye is making the pattern below.
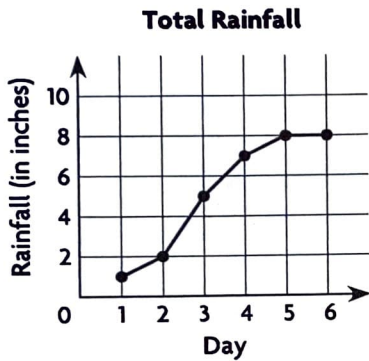

Figure 1   Figure 2   Figure 3

Write an expression that could describe the next figure in the pattern, Figure 4, if Skye's pattern continues.
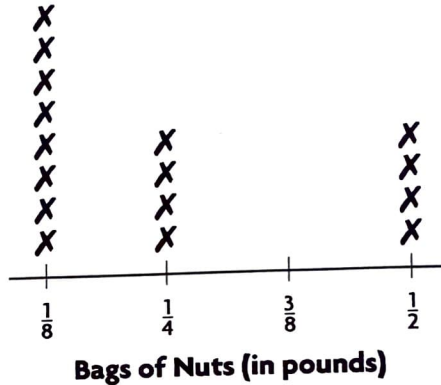
Possible expression: $5 + 2 + 2 + 2$

GO ON

18. For 6 days during a rainy week, Alyssa recorded, in inches, the total amount of rain collected in a rain gauge in her yard. The line graph shows her data. Between which two days did the amount of rain collected change the least?

Total Rainfall

between Day 5 and Day 6

_____

Use the line plot for 19–20.

Amy filled bags with nuts. She weighed the bags and made a line plot to show how much each bag weighed.

Bags of Nuts (in pounds)

19. How many pounds of nuts did Amy fill into bags?

4 pounds

20. What was the average weight of the bags of nuts that Amy filled?

$\frac{4}{16}$ or $\frac{1}{4}$ pound

GO ON