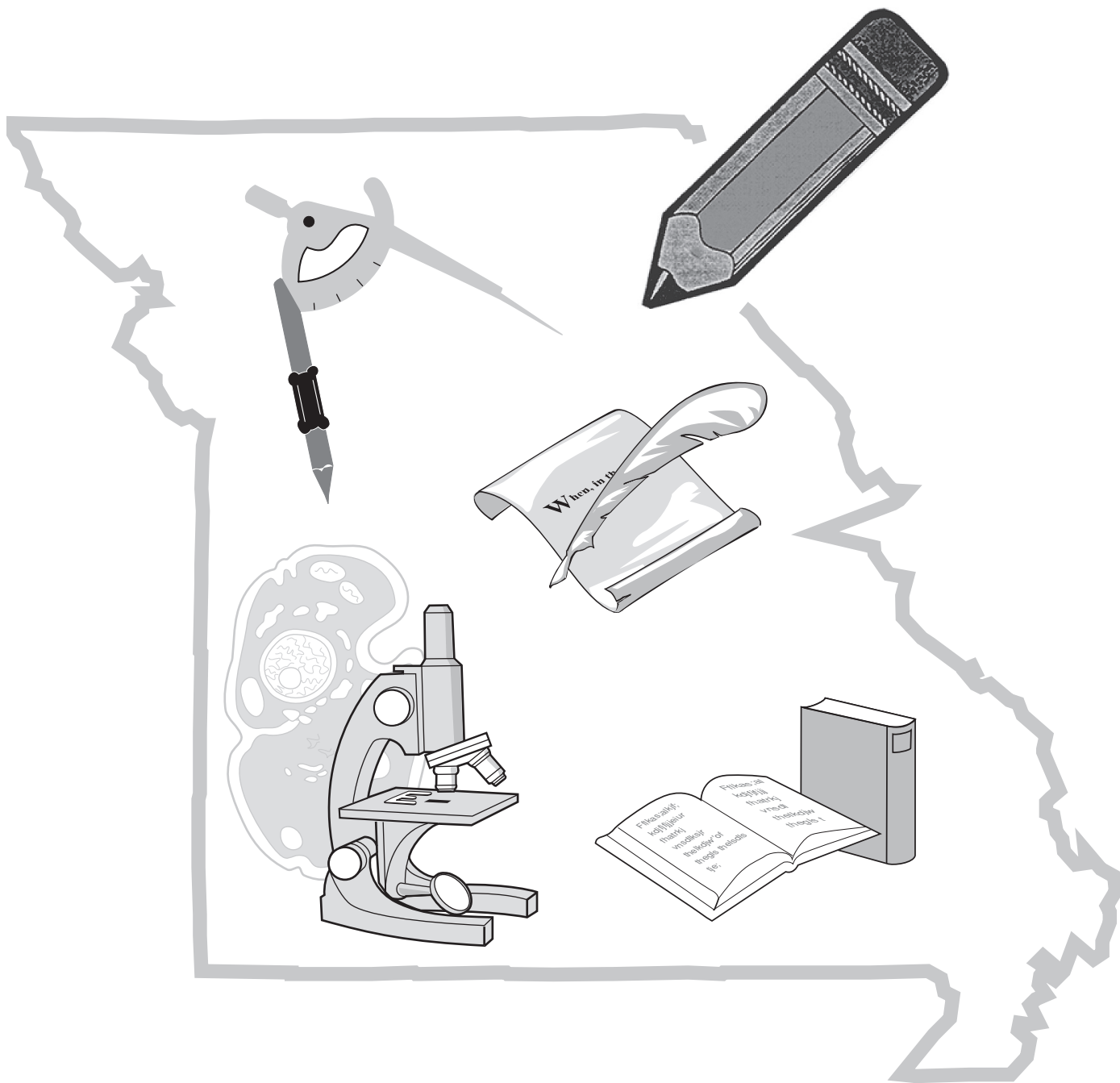


Name: \_\_\_\_\_

District/School: \_\_\_\_\_

# Missouri Assessment Program

## Released Practice Form Grade 7 Mathematics



---

Missouri Department of Elementary  
and Secondary Education

**Notice of Non-discrimination:**

It is the policy of the Missouri Department of Elementary and Secondary Education not to discriminate on the basis of race, color, religion, gender, national origin, age, or disability in its programs or employment practices as required by Title VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975 and Title II of the Americans with Disabilities Act of 1990.

Inquiries related to Department employment practices may be directed to the Jefferson State Office Building, Human Resources Director, 8th Floor, 205 Jefferson Street, P.O. Box 480, Jefferson City, MO 65102-0480; telephone number (573) 751-9619 or TTY (800) 735-2966. Inquiries related to Department programs and to the location of services, activities, and facilities that are accessible by persons with disabilities may be directed to the Jefferson State Office Building, Office of the General Counsel, Coordinator—Civil Rights Compliance (Title VI/Title IX/504/ADA/Age Act), 6th Floor, 205 Jefferson Street, P.O. Box 480, Jefferson City, MO 65102-0480; telephone number (573) 526-4757 or TTY (800) 735-2966, email [civilrights@dese.mo.gov](mailto:civilrights@dese.mo.gov).

Anyone attending a meeting of the State Board of Education who requires auxiliary aids or services should request such services by contacting the Executive Assistant to the State Board of Education, Jefferson State Office Building, 205 Jefferson Street, Jefferson City, MO 65102-0480; telephone number (573) 751-4446 or TTY (800) 735-2966.

Inquiries or concerns regarding civil rights compliance by school districts or charter schools should be directed to the local school district or charter school Title IX/non-discrimination coordinator. Inquiries and complaints may also be directed to the Office for Civil Rights, Kansas City Office, U.S. Department of Education, One Petticoat Lane, 1010 Walnut Street, 3rd floor, Suite 320, Kansas City, MO 64106; telephone: (816) 268-0550; TDD: (877) 521-2172.

**Copyright © 2018 by the Missouri Department of Elementary and Secondary Education. All rights reserved. Based on a template copyright © 2018 by Data Recognition Corporation. Any other use or reproduction of this document, in whole or in part, requires written permission of the Missouri Department of Elementary and Secondary Education and the publisher, Data Recognition Corporation.**

**Please use ONLY a Number 2 pencil for this session.**

# **Session 1**

# **Mathematics**

## **Directions**

Now you will be taking the Mathematics Practice Form. This test has three sessions that contain different types of questions. Today you will take Session 1. Some questions have answer choices that begin with letters. Circle the letter of each correct answer. Other questions will ask you to circle, write or show your answers. Read each question carefully and follow the directions. Mark all your answers in your test booklet. Calculators are not allowed in this session.

**Go On ▶**

**DO NOT  
MARK  
ON THIS  
PAGE.**

**1** Select the **three** rational numbers.

A.  $\frac{5}{1}$

B.  $\frac{7}{0}$

C.  $-0.02$

D.  $4.1\overline{7}$

E.  $\pi$

F.  $\pi^2$

**2** Lamar has a container filled with nickels that have a value of \$51.45. He has 4 other identical containers with nickels. Of the 4 other identical containers,

- 2 of them are full,
- 1 of them is  $\frac{3}{4}$  full, and
- 1 of them is  $\frac{1}{2}$  full.

Lamar estimates that the total value of all 5 containers of nickels is approximately \$250. Which statement **best** explains why Lamar's estimate is likely an overestimate or an underestimate?

- A. Lamar's estimate is likely an underestimate because  $5 \times \$51 = \$255$ .
- B. Lamar's estimate is likely an underestimate because it is likely that at least one of the other 2 full containers contains more than \$51.45.
- C. Lamar's estimate is likely an overestimate because he has just over 4 full containers, and  $4 \times \$50 = \$200$ .
- D. Lamar's estimate is likely an overestimate because it is doubtful that the other full containers are worth exactly \$51.45.

**Go On ►**

**3**

A recipe calls for  $2\frac{1}{3}$  cups of flour. Jane needs to make only half of the recipe. Which expression could Jane use to calculate the number of cups of flour she needs?

A.  $2\frac{1}{3} + \frac{1}{2}$

B.  $2\frac{1}{3} - \frac{1}{2}$

C.  $2\frac{1}{3} \cdot \frac{1}{2}$

D.  $2\frac{1}{3} \div \frac{1}{2}$

**4**

Emanuel is planting trees along a new city sidewalk. He plants the same number of trees on each city block. After 3 blocks, he has planted 15 trees. After 5 blocks, he has planted 25 trees. At what rate is Emanuel planting trees?

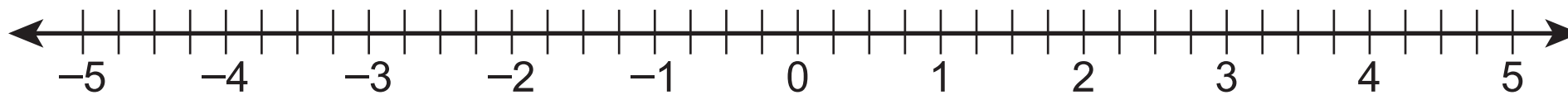
A.  $\frac{1}{5}$  trees per block

B.  $\frac{3}{5}$  trees per block

C. 3 trees per block

D. 5 trees per block

- 5** Diego does a science experiment. In the experiment, he mixes two chemicals together and immediately measures the mixture's temperature. One hour later, he measures the mixture's temperature again. He records the two temperatures as  $m$  and  $n$ . The temperature of the mixture immediately after creating it,  $m$ , is  $1.75^\circ\text{C}$ . The value of  $|m - n|$  is  $2.25^\circ\text{C}$ . Plot all the possible values for  $n$ , the temperature of the mixture one hour later.



- 6** An expression is shown.

$$0.8(4x + 6y)$$

Select the **two** expressions that are equivalent to the given expression.

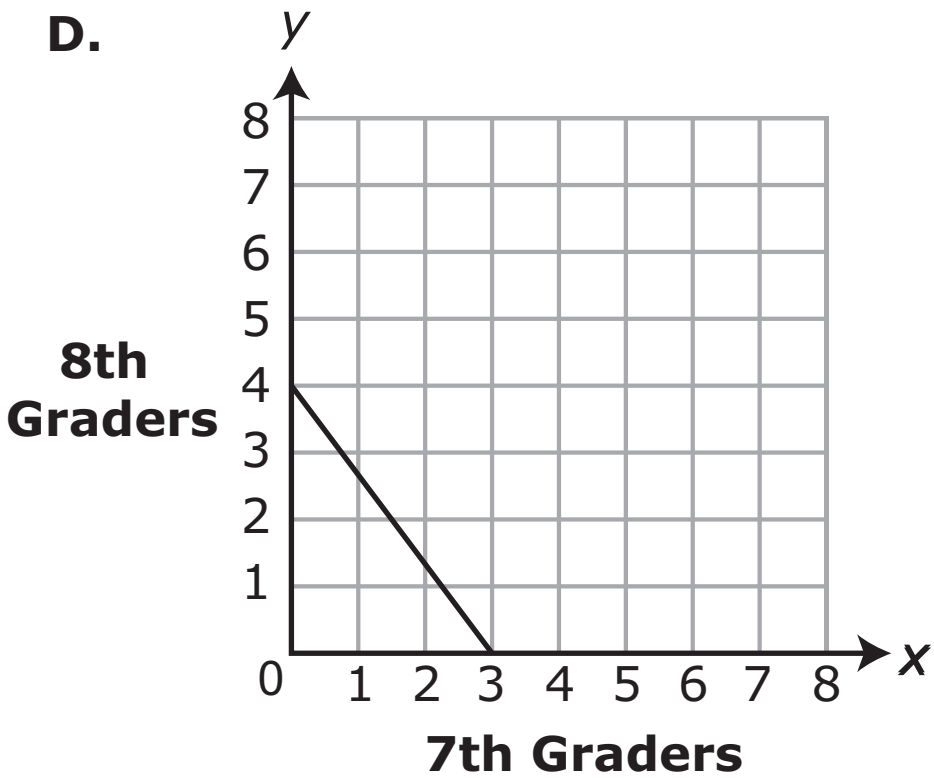
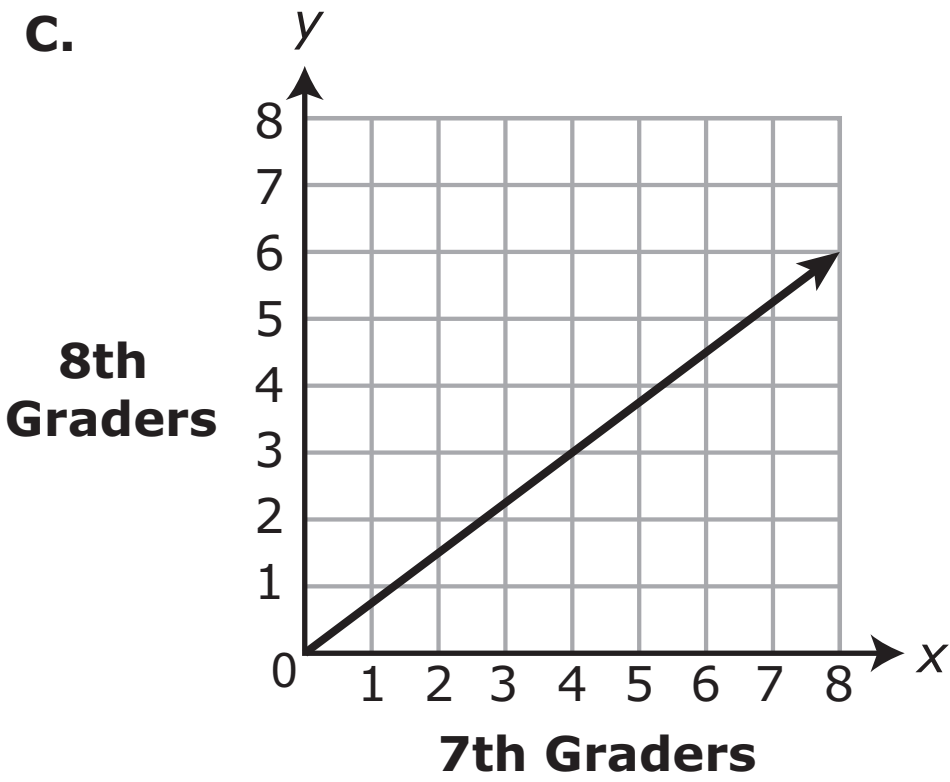
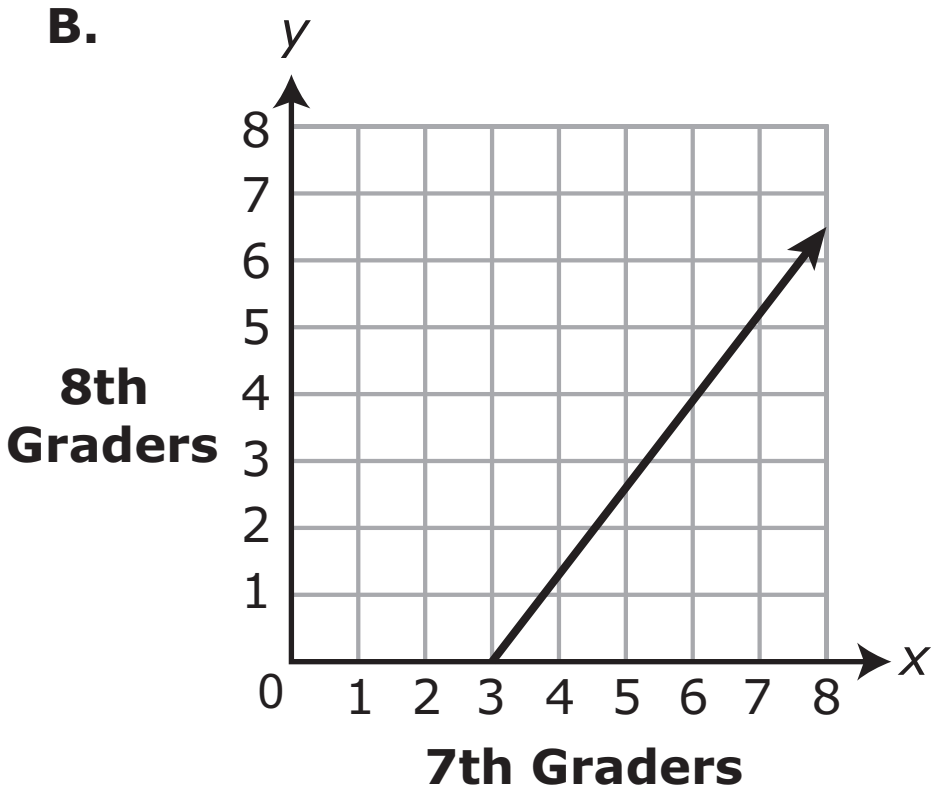
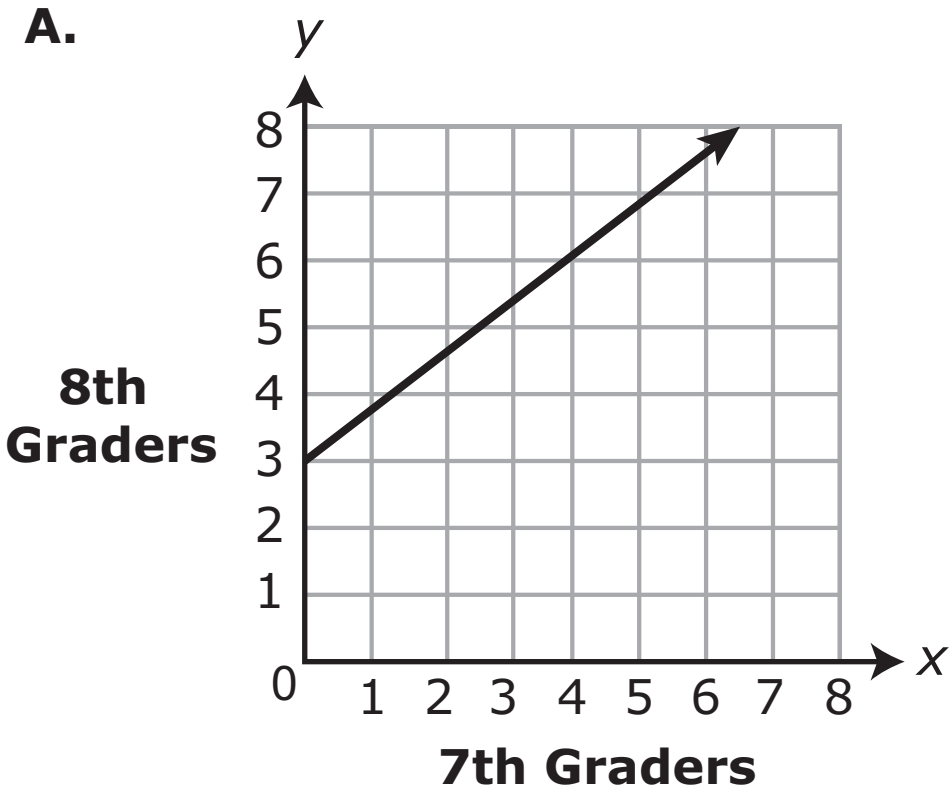
- A.  $0.8(6x + 4y)$
- B.  $1.6(2x + 3y)$
- C.  $1.6x(2x + 4y)$
- D.  $3.2x + 4.8y$
- E.  $4.8x + 6.8y$

- 7** A cat receives 0.15 milliliter of medicine for every 2.5 pounds that it weighs. Tabby is a cat that weighs 9.75 pounds. How much medicine, rounded to the nearest hundredth of a milliliter, should Tabby receive?

**Go On ►**

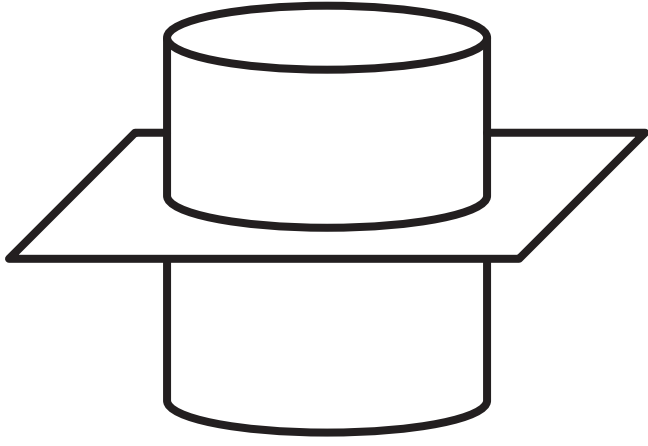
**8**

On a softball team, the number of 7th graders is proportional to the number of 8th graders. Which graph could model the relationship between the number of 7th graders and 8th graders on the softball team?



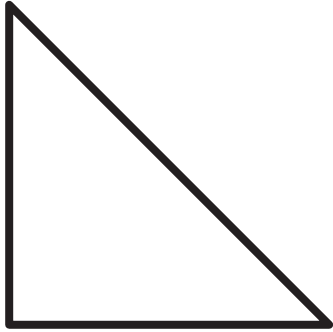


**9** A cylinder is sliced parallel to its base, as shown.



Which figure represents the two-dimensional cross section?

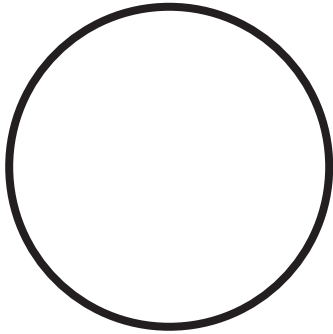
**A.**



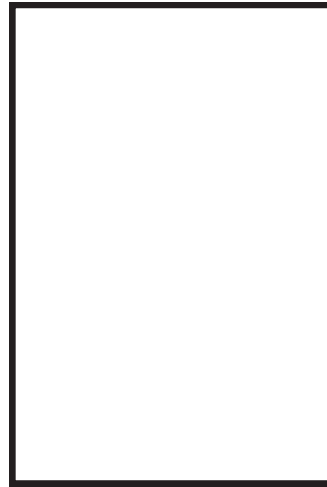
**B.**



**C.**



**D.**



**Go On ▶**

**10**

Whenever Hannah turns on her cell phone, it randomly shows a background image from a group of 6 images Hannah has selected. Of the 6 images Hannah has selected,

- exactly 2 are of her friends,
- exactly 3 are of her family members, and
- exactly 1 is of her pet dog.

What is the probability that the cell phone shows an image other than the pet dog the next time Hannah turns on her cell phone?

**11**

What is  $4 \div (-2.5)$ ?

**12**

Christopher has a website. He updates his website the same number of times each week.

- After 3 weeks, Christopher had updated his website a total of 12 times.
- After 5 weeks, Christopher had updated his website a total of 20 times.

Christopher makes a graph to show the relationship between the number of weeks that have passed,  $x$ , and the number of times he has updated his website,  $y$ . Use the numbers below the blank lines to show the coordinates of the point that represents the unit rate, in updates per week, of Christopher's graph.

( \_\_\_\_\_ , \_\_\_\_\_ )

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

**Go On ►**

**13**

Chad is putting a frame around a picture. He needs to decide whether he wants the frame to be black or brown. He also needs to decide whether he wants the frame to be made of metal or of wood. Finally, he needs to decide whether he wants the picture covered with glass or with plastic. He makes a list of his options as shown.

{black, metal, glass}  
{black, metal, plastic}  
{black, wood, glass}  
{black, wood, plastic}  
{brown, metal, plastic}  
{brown, wood, glass}  
{brown, wood, plastic}

Which option did Chad forget to include in his list?

- A. {brown, metal}
- B. {brown, wood, plastic}
- C. {brown, metal, black}
- D. {brown, metal, glass}

**14**

A sprinkler waters a circular region in Jason's yard that has a radius of 15 feet. Rounded to the nearest square foot, what is the area of the circular region that is watered by the sprinkler?

- A. 94
- B. 148
- C. 707
- D. 2,827

**15** What is the solution to the equation  $2(x + 2.4) = 6.4$ ?

- A.** 0.8
- B.** 2
- C.** 4
- D.** 10.4

**16** A store is offering a 30% discount on shirts. A shirt at the store has an original cost of \$25. What is the cost of the shirt, in dollars, after the discount?

**17** In a mine, 0.6% of all the mined material is copper. The company that runs the mine needs the mine to produce more than 0.81 million tons of copper to make a profit this year. The mine has already produced 0.75 million tons of copper this year. The inequality below represents  $x$ , the additional millions of tons of material that need to be mined this year for the mine to make a profit.

$$0.75 + 0.006x > 0.81$$

Which inequality shows all the possible values of  $x$ ?

- A.**  $x > 1$
- B.**  $x > 10$
- C.**  $x > 26$
- D.**  $x > 260$

**Go On ►**

**18**

There are 50 tickets in a jar. Each ticket is either red or blue. Jeanette randomly draws 10 tickets from the jar, counts the number of red tickets, and then replaces the tickets. She does this 8 times. The list shows how many red tickets Jeanette drew on each attempt.

3 4 6 7 3 4 2 3

What is the **best** estimate for the total number of red tickets in the jar?

- A. 4
- B. 20
- C. 25
- D. 32

**19**

Jamar is buying bottles of juice for his class party. A pack of 12 bottles of juice costs \$3.96. Which expression could Jamar use to determine the cost of 1 bottle of juice?

- A.  $3.96 \div 12$
- B.  $3.96 \cdot 12$
- C.  $12 \div 3.96$
- D.  $12 - 3.96$

**20**

Carter writes the expression  $0.25x + 1.75y + 0.25y + 1.5xy$ . He wants to rewrite the expression by combining like terms. For each pair of terms in the table, mark whether they are like terms or not like terms.

|                 | <b>Like Terms</b> | <b>Not Like Terms</b> |
|-----------------|-------------------|-----------------------|
| 0.25x and 1.75y |                   |                       |
| 0.25x and 0.25y |                   |                       |
| 0.25x and 1.5xy |                   |                       |
| 1.75y and 0.25y |                   |                       |
| 1.75y and 1.5xy |                   |                       |
| 0.25y and 1.5xy |                   |                       |

**21**

Nina works at a company that makes cylindrical cans. She finds the area of the base of one of the cans and then multiplies that area by the height of the can. What is Nina most likely calculating?

- A.** length
- B.** radius
- C.** surface area
- D.** volume

**Go On ►**

**22**

A club is selling cookies to earn money. The club is going to donate  $\frac{1}{4}$  of the money to charity and keep the rest. The total cookie sales are \$367.20. Which expression could be used to determine the amount of money the club will keep?

- A.  $367.20 - 0.14(367.20)$
- B.  $367.20 - 0.25(367.20)$
- C.  $367.20 - 0.4(367.20)$
- D.  $367.20 - 2.5(367.20)$

**23**

Arie has a bag that contains 15 yellow marbles, 13 blue marbles, and 22 red marbles. Select the **two** statements that are true when Arie randomly draws 10 marbles from the bag.

- A. She is likely to draw all red marbles.
- B. She is likely to draw more blue marbles than red marbles.
- C. She is likely to draw more red marbles than yellow marbles.
- D. She is likely to draw about the same number of yellow and blue marbles.
- E. She is likely to draw more red marbles than yellow and blue marbles combined.

**STOP** **STOP** **STOP** 



# **ATTENTION!**

**Do NOT go on  
until you are  
told to do so.**



**DO NOT  
MARK  
ON THIS  
PAGE.**

**Please use ONLY a Number 2 pencil for this session.**

# **Session 2**

# **Mathematics**

## **Directions**

Now you will be taking Session 2 of the Mathematics Practice Form. This session includes different types of questions. Some questions will have answer choices that begin with letters. Circle the letter of each correct answer. Other questions will ask you to circle, write or show your answers. Read each question carefully and follow the directions. Mark all your answers in your test booklet. Calculators are allowed in this session.

**Go On ►**

**DO NOT  
MARK  
ON THIS  
PAGE.**

**1** Li put \$75 into his savings account. The money was  $\frac{1}{3}$  of his paycheck. Which equation could be used to find the amount of money,  $p$ , in dollars, on his paycheck?

A.  $75p = \frac{1}{3}$

B.  $3p = 75$

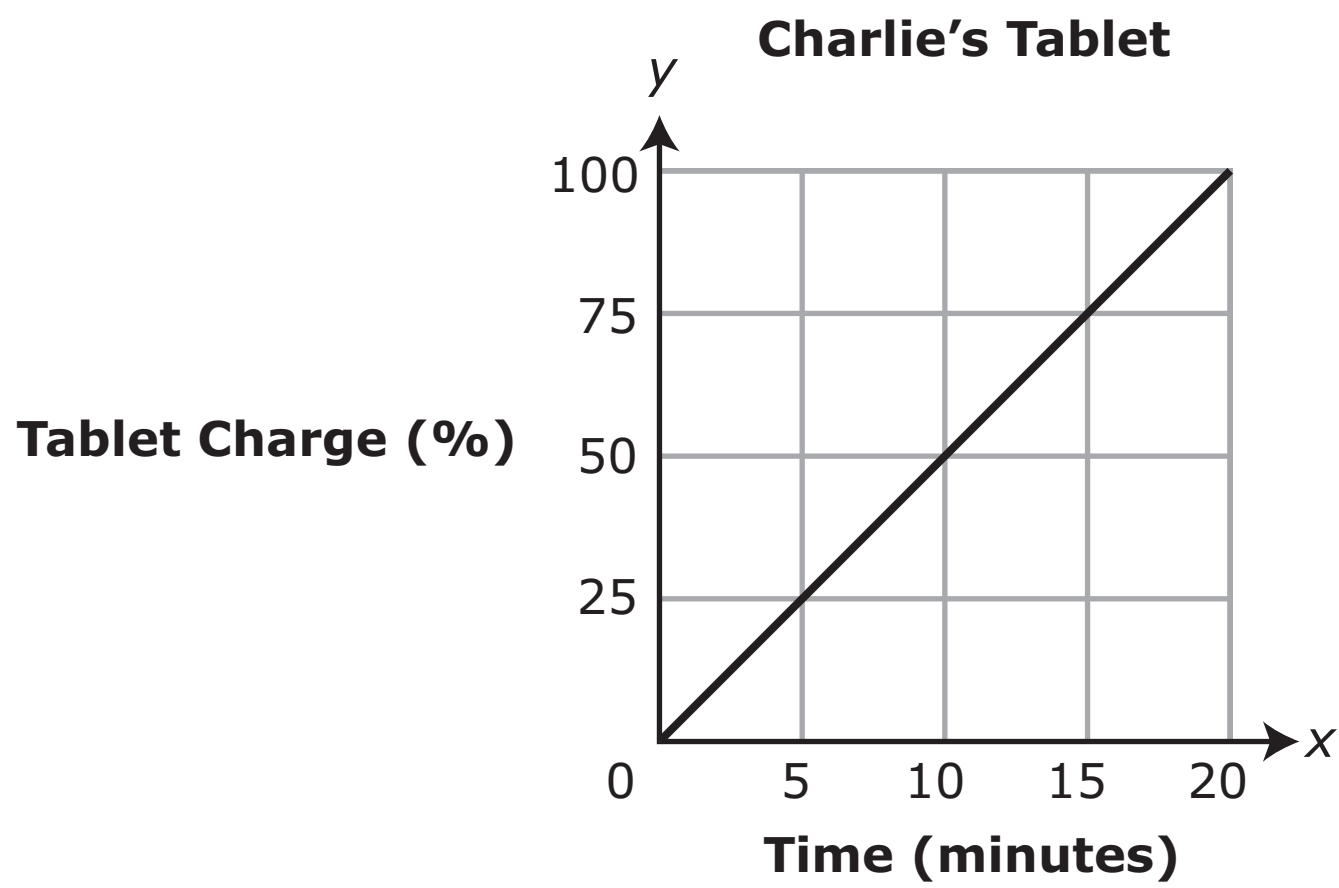
C.  $75p = 3$

D.  $\frac{1}{3}p = 75$

**Go On ►**

**2**

Charlie is charging his tablet. The graph shows how long it takes for his tablet to charge.



Which statement about the ordered pair (5, 25) is true?

- A.** It takes 5 minutes to charge 25 tablets.
- B.** It takes 25 minutes to charge 5 tablets.
- C.** It takes 5 minutes to charge 1 tablet to 25%.
- D.** It takes 25 minutes to charge 1 tablet to 5%.

**3** An inequality is shown.

$$-2x + 12 < 18$$

What is the solution to the inequality?

**A.**  $x < -3$

**B.**  $x > -3$

**C.**  $x < 3$

**D.**  $x > 3$

**4** An expression is shown.

$$-3(x - 4)$$

Which expression is equivalent to the given expression?

**A.**  $-3x + 4$

**B.**  $-3x - 4$

**C.**  $-3x + 12$

**D.**  $-3x - 12$

**Go On ►**

**5** Linda ate  $\frac{1}{8}$  of a batch of cornbread. Peter ate some cornbread so that there is  $\frac{2}{3}$  of the batch remaining. What fraction of the batch of cornbread did Peter eat?

A.  $\frac{3}{11}$

B.  $\frac{5}{24}$

C.  $\frac{8}{11}$

D.  $\frac{19}{24}$

**6** A proportional relationship is shown.

| $x$ | $y$ |
|-----|-----|
| 0   | 0   |
| 2   | 0.9 |
| 4   | 1.8 |
| 6   | 2.7 |
| 8   | 3.6 |

What is the constant of proportionality?



**7**

Jorge wants to buy his father a gift that costs \$32. He has already saved \$18 for the gift. Jorge saves the same amount of money each week for the next 4 weeks. How much money, in dollars, will Jorge have to save each week to have exactly enough money to buy his father the gift?

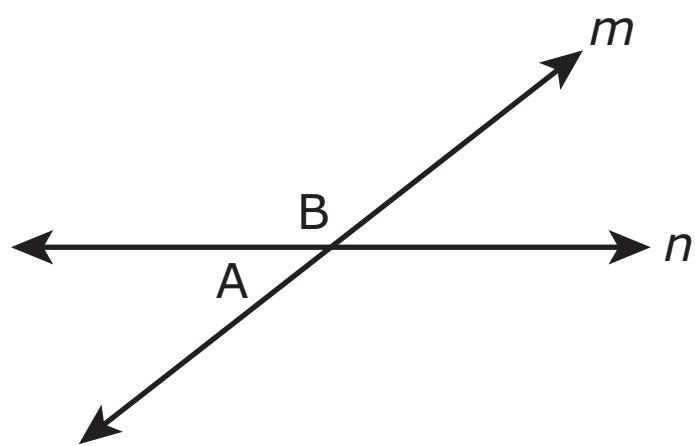
**8**

Lily tosses a fair coin in the air 20 times and records the results. The coin lands with the tails side up in 12 of the 20 trials. Which statement about Lily's trials is correct?

- A.** The theoretical probability is 50%, because at least 50% of Lily's coin tosses landed with the tails side up.
- B.** The theoretical probability of landing with the tails side up is  $\frac{12}{20} = 60\%$ , because that is what Lily observed.
- C.** The experimental probability is 50%, because at least 50% of Lily's coin tosses landed with the tails side up.
- D.** The experimental probability of landing with the tails side up is  $\frac{12}{20} = 60\%$ , because that is what Lily observed.

**Go On ►**

- 9** Lines  $m$  and  $n$  are shown.



Angle A measures  $38^\circ$ . What is the measure, in degrees, of angle B?

- 10** Louis went to a movie with \$20.00. The ticket cost \$9.50, and he spent \$2.75 on snacks. How much money did Louis have left over?

- A.** \$7.75
- B.** \$8.75
- C.** \$11.25
- D.** \$12.25

**11** Julia uses a scale to weigh three identical stacks of coins.

- The scale has a maximum percent error of 3%.
- The scale says the weight of the first stack of coins is 10.0 ounces.
- The scale says the weight of the second stack of coins is 10.3 ounces.

Rounded to the nearest tenth of an ounce, what is the greatest possible amount that the scale could say for the weight of the third stack of coins?

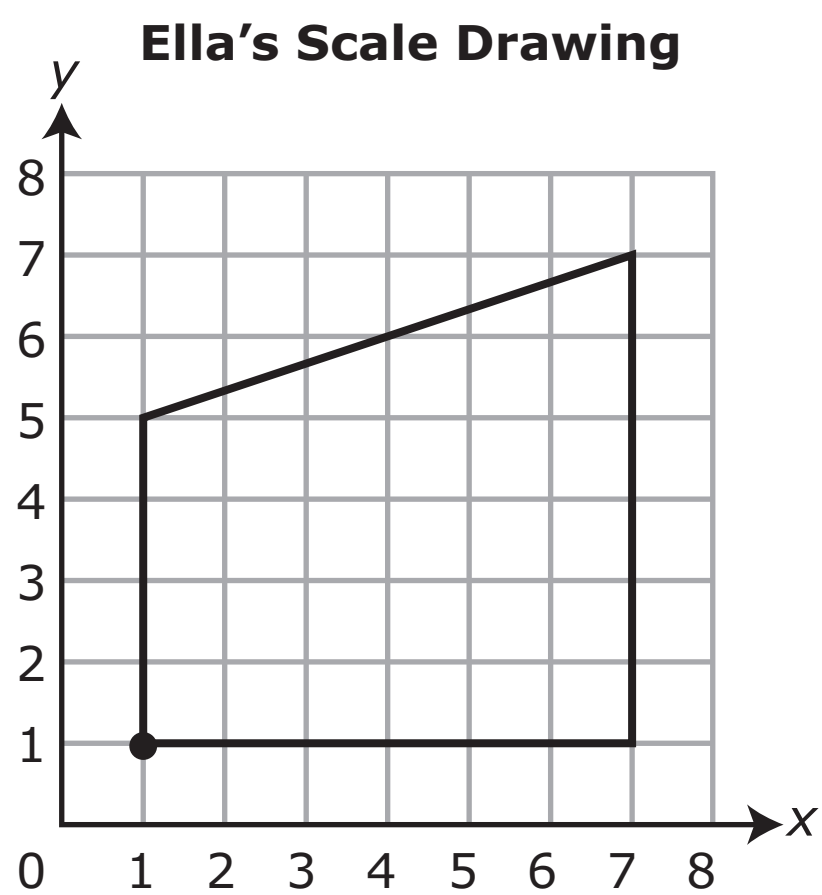
- A.** 9.7 ounces
- B.** 10.0 ounces
- C.** 10.3 ounces
- D.** 10.6 ounces

**12** Class X and class Y each have 20 students. They each keep track of the number of books each student reads in one month. The mean number of books read by the students in class X is 4.2 books. The mean number of books read by the students in class Y is 3.8 books. Select the **two** statements that are true.

- A.** Every student in class X read more books than any student in class Y.
- B.** The students in class X like reading more than the students in class Y.
- C.** The students in class X read longer books than the students in class Y.
- D.** On average, the students in class X read more books than the students in class Y.
- E.** The total number of books read by class X is more than the total number of books read by class Y.

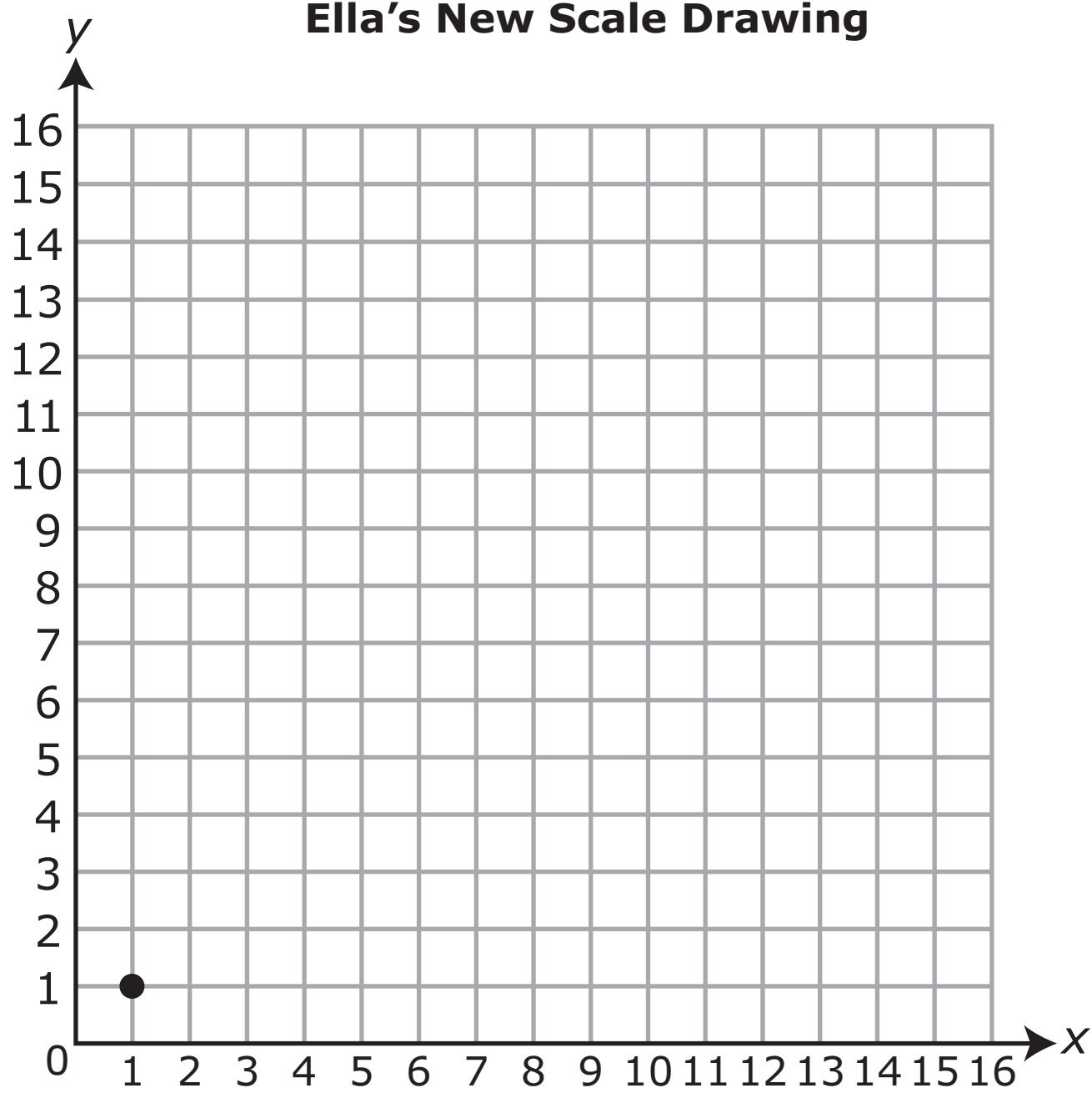
**Go On ►**

- 13** Ella designs a glass tabletop for a restaurant. She makes the scale drawing shown.



In Ella's scale drawing, the length of each square on the grid represents 12 inches. Make a new scale drawing of Ella's tabletop in which the length of each square on the grid represents 6 inches. The plotted point in Ella's new scale drawing should correspond to the plotted point in Ella's original scale drawing.

**Ella's New Scale Drawing**



**Go On ▶**

**14** Chelsea buys a bag of apples. In the bag,  $\frac{8}{11}$  of the apples are green. Which number could also represent the portion of the apples in the bag that are green?

- A. 0.72
- B.  $0.\overline{72}$
- C.  $0.\overline{7\overline{2}}$
- D. 1.375

**15** A triangle has sides that are 4 units, 6 units, and  $m$  units long. Select the two numbers that are possible values of  $m$ .

- A. 1
- B. 2
- C. 5
- D. 8
- E. 12

**16** Sophia earned \$18 for working  $2\frac{1}{4}$  hours. How much did she earn per hour?

- A. \$8.00
- B. \$9.00
- C. \$9.25
- D. \$12.50

**17** A library keeps track of the number of overdue items at the end of each month.

- At the end of April, there were  $x$  overdue items.
- At the end of May, the number of overdue items was 3% less than the number of overdue items at the end of April.

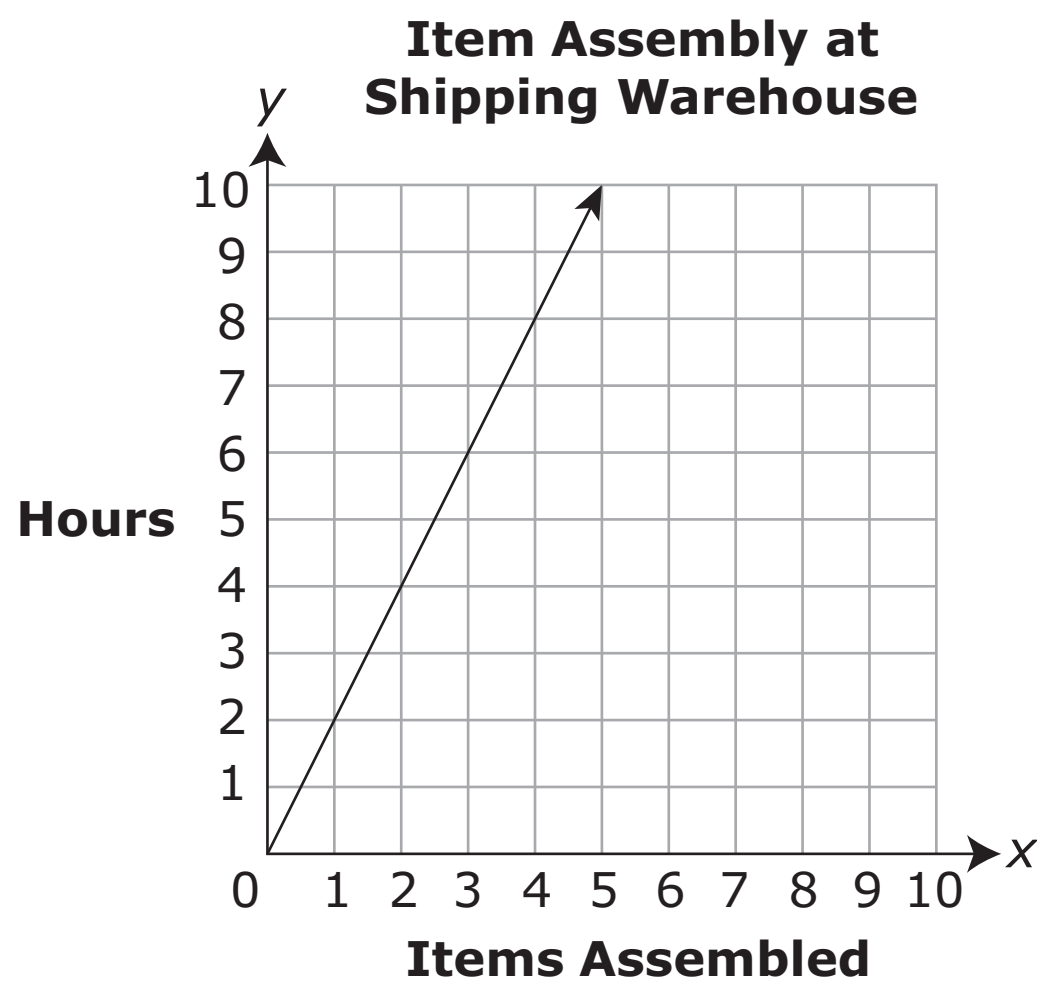
The expression  $x - 0.03x$  represents the number of overdue items at the end of May. Which sentence **best** explains how to simplify the expression that represents the number of overdue items at the end of May?

- A. Combine  $x$  and  $0.03x$ , since they are like terms, by canceling out the  $x$ .
- B. Combine  $x$  and  $0.03x$ , since they are like terms, by subtracting  $1 - 0.03$  to find the new coefficient.
- C. Factor out an  $x$ , since it appears in both terms, leaving 1 in the first term and  $0.03x$  in the second term.
- D. Factor out an  $x$ , since it appears in both terms, eliminating the first term and leaving 0.03 in the second term.

**Go On ►**

**18**

The graph shows the number of hours it takes to assemble several items at a shipping warehouse.



What does the point (3, 6) represent?

- A.** It takes 3 hours to assemble 1 item at the shipping warehouse.
- B.** It takes 3 hours to assemble 6 items at the shipping warehouse.
- C.** It takes 6 hours to assemble 1 item at the shipping warehouse.
- D.** It takes 6 hours to assemble 3 items at the shipping warehouse.



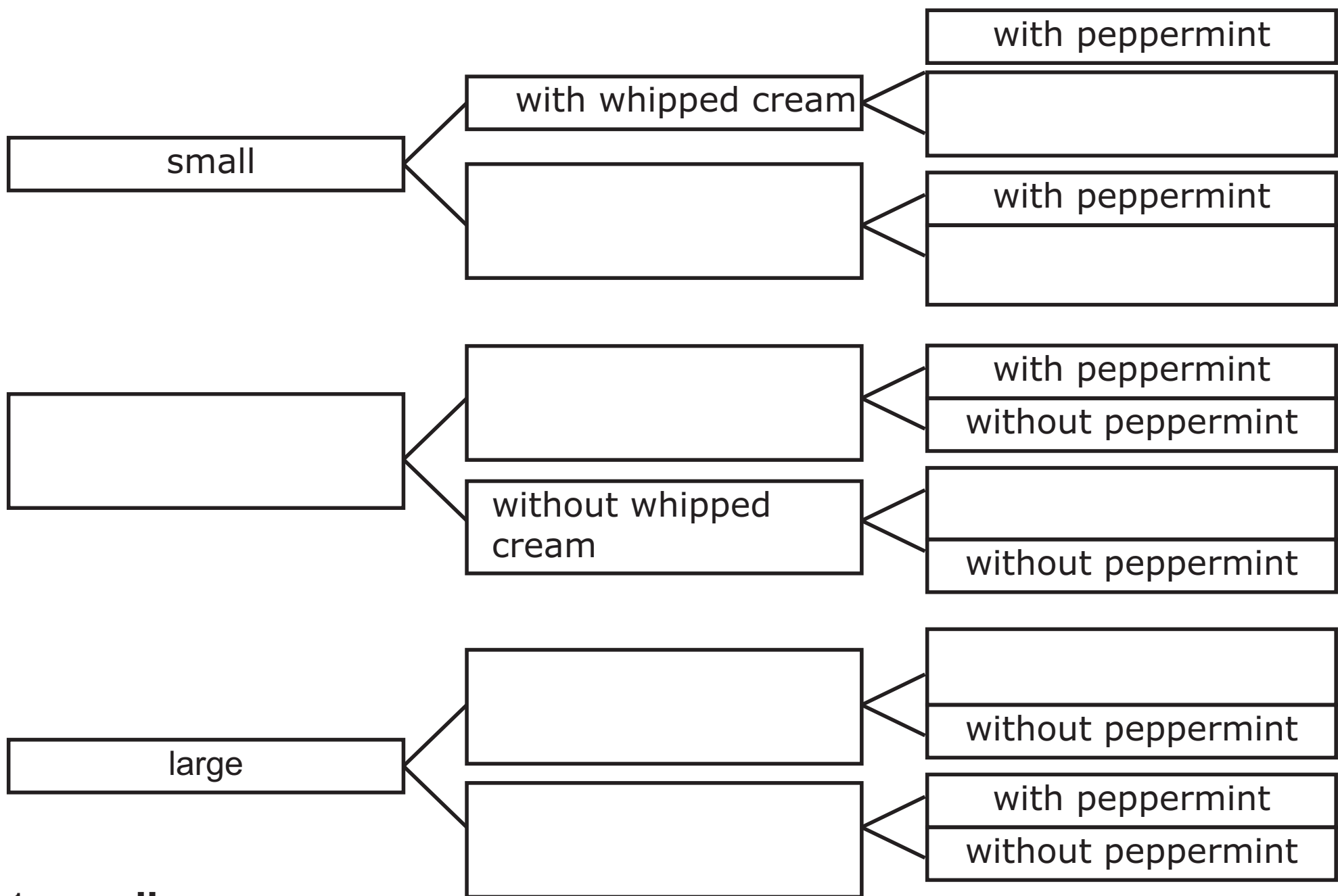
19

Jared sells hot chocolate at football games.

- He sells small, medium, and large hot chocolates.
- Each hot chocolate can be ordered with or without whipped cream.
- Each hot chocolate can be ordered with or without peppermint.

Complete the tree diagram to show all the possible ways hot chocolate can be ordered. The options from which to select are shown below the tree diagram.

### Ways Hot Chocolate Can Be Ordered



- 1 **small**
- 2 **without whipped cream**
- 3 **with peppermint**
- 4 **large**
- 5 **with whipped cream**
- 6 **without peppermint**
- 7 **medium**

Go On ►

- 20** Hector has  $\frac{3}{4}$  hour to spend completing his homework. He wants to spend  $\frac{1}{3}$  of his time on math homework, 10 minutes of his time on reading homework, and the remaining time on science homework. How much time, in minutes, does Hector have to spend on his science homework?

- 21** Gary has a box of pencils. In the box,  $\frac{7}{21}$  of the pencils have been sharpened. Select the three fractions that are proportional to the fraction of sharpened pencils in Gary's box.

- A.  $\frac{1}{3}$
- B.  $\frac{1}{7}$
- C.  $\frac{12}{4}$
- D.  $\frac{13}{39}$
- E.  $\frac{14}{42}$
- F.  $\frac{21}{7}$

**22** Ricardo has a coupon for 25% off his purchase at a craft store. Which expression could Ricardo use to calculate his **total cost** when purchasing  $x$  dollars of craft supplies?

- A.  $0.25x$
- B.  $0.75x$
- C.  $1.00x$
- D.  $1.25x$

**23** Which situation applies an additive inverse to find the total amount of money?

- A. Dylan spent \$5 and then found \$5.
- B. Dylan found \$5 and then found \$5 more.
- C. Dylan spent \$5 and then gave \$3 to a friend.
- D. Dylan found \$5 and then kept the money in his pocket.

**STOP** 

**STOP** 

**STOP** 

# **ATTENTION!**

**Do NOT go on  
until you are  
told to do so.**



**Please use ONLY a Number 2 pencil for this session.**

# **Session 3**

# **Mathematics**

## **Directions**

**Now you will be taking Session 3 of the Mathematics Practice Form. This session includes a Performance Event that contains a set of questions based on a common task or scenario. Some questions will have answer choices that begin with letters. Circle the letter of each correct answer. Other questions will ask you to circle, write or show your answers. Read each question carefully and follow the directions. Mark all your answers in your test booklet. Calculators are allowed in this session.**

**Go On ►**

**DO NOT  
MARK  
ON THIS  
PAGE.**

A gas station lets a jazz band rent its parking lot for the weekend to put on a car wash. The jazz band is washing cars to earn money for a trip. Reid mixes soap with water for the car wash. He uses the same amount of soap for each gallon of water. Some amounts of water and soap he could mix are shown in the table.

### Water and Soap Mixtures

| Water (gallons) | Soap (cups)   |
|-----------------|---------------|
| $\frac{1}{2}$   | $\frac{1}{8}$ |
| $1\frac{1}{2}$  | $\frac{3}{8}$ |
| 3               | $\frac{3}{4}$ |

Each person who gets his or her car washed pays a minimum of \$5, but people can pay more to help the jazz band. The first 7 payments are listed below.

### Car Wash Payments

\$5, \$6, \$10, \$10, \$15, \$20, \$25

The person who paid \$20 and the person who paid \$25 are both parents of jazz band members.

- 1** Use the **Water and Soap Mixtures** table to answer the question.

Reid puts 8 gallons of water in a bucket. He uses the values shown in the table to determine how many cups of soap to put in the bucket. How many cups of soap should Reid put in the bucket?

- A. 2
- B. 4
- C. 32
- D. 64

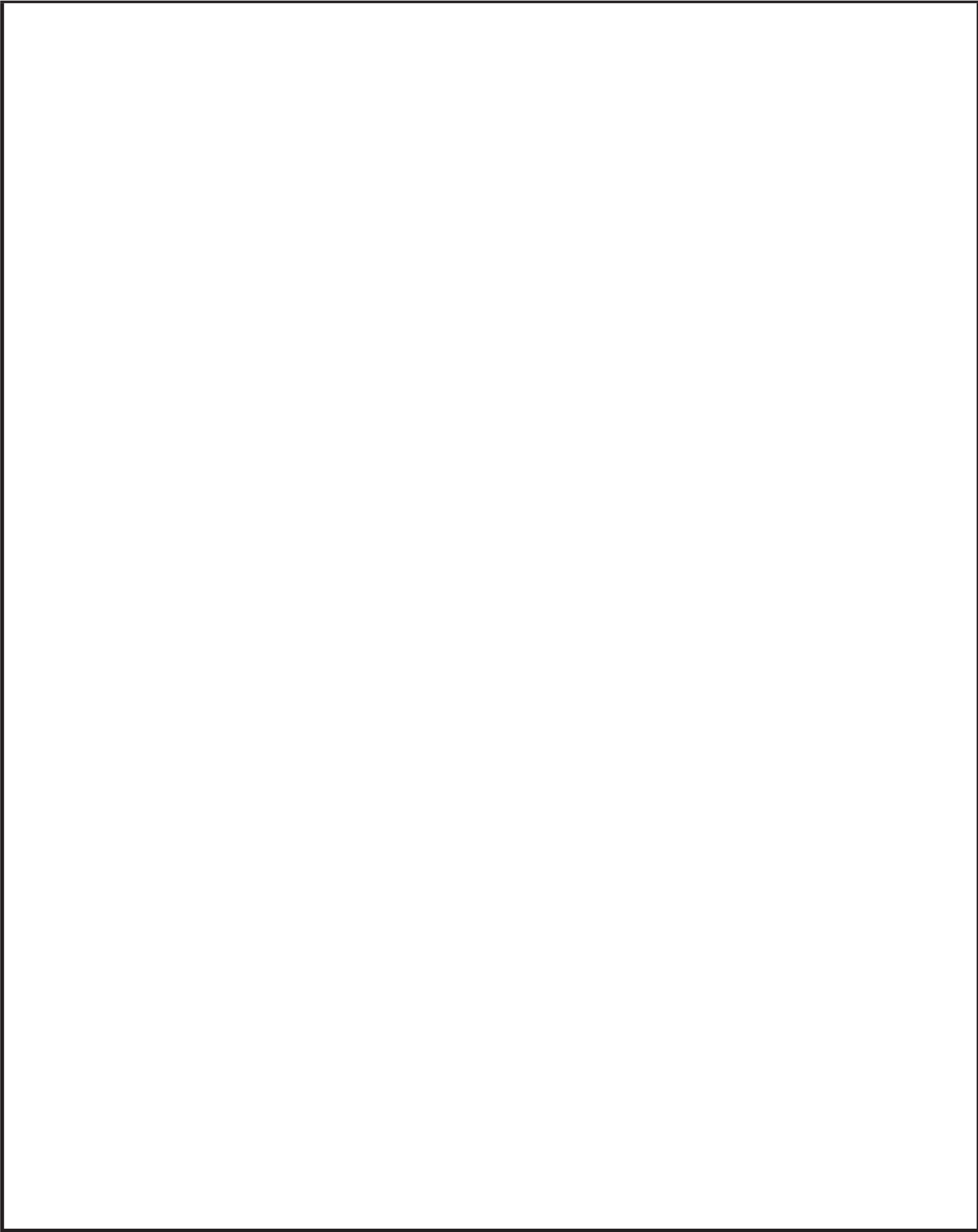
**Go On ▶**

**2**

Use the **Water and Soap Mixtures** table to answer the question.

Reid represents the unit rate in terms of cups of soap per gallon of water. Justify that the quantities of soap and water listed in the table are proportional.





**Go On ▶**

**3**

Use the **Water and Soap Mixtures** table to answer the question.

Jenna fills a bucket with 5 gallons of water and the corresponding amount of soap. Then, she adds more water. Select the two true statements about the amount of water and soap she should add.

- A.** When she adds 1 more gallon of water, she should add an amount of soap between  $\frac{1}{8}$  and  $\frac{3}{8}$  of a cup.
- B.** When she adds 2 more gallons of water, she should add  $\frac{5}{2}$  of the amount of soap she already put in.
- C.** When she adds 3 more gallons of water, she should add  $\frac{3}{4}$  of the amount of soap she already put in.
- D.** When she doubles the amount of water, she should double the amount of soap in the 5 gallons of water she started with.
- E.** When she doubles the amount of water, she should add twice as much soap as she already put in.

**4**

Use the **Car Wash Payments** list to answer the question.

Jenna and Reid want to use the payments in the list to estimate how much money they will earn if they wash 100 cars. Which statement best explains whether the 7 payments in the list are a representative sample of payments they will receive?

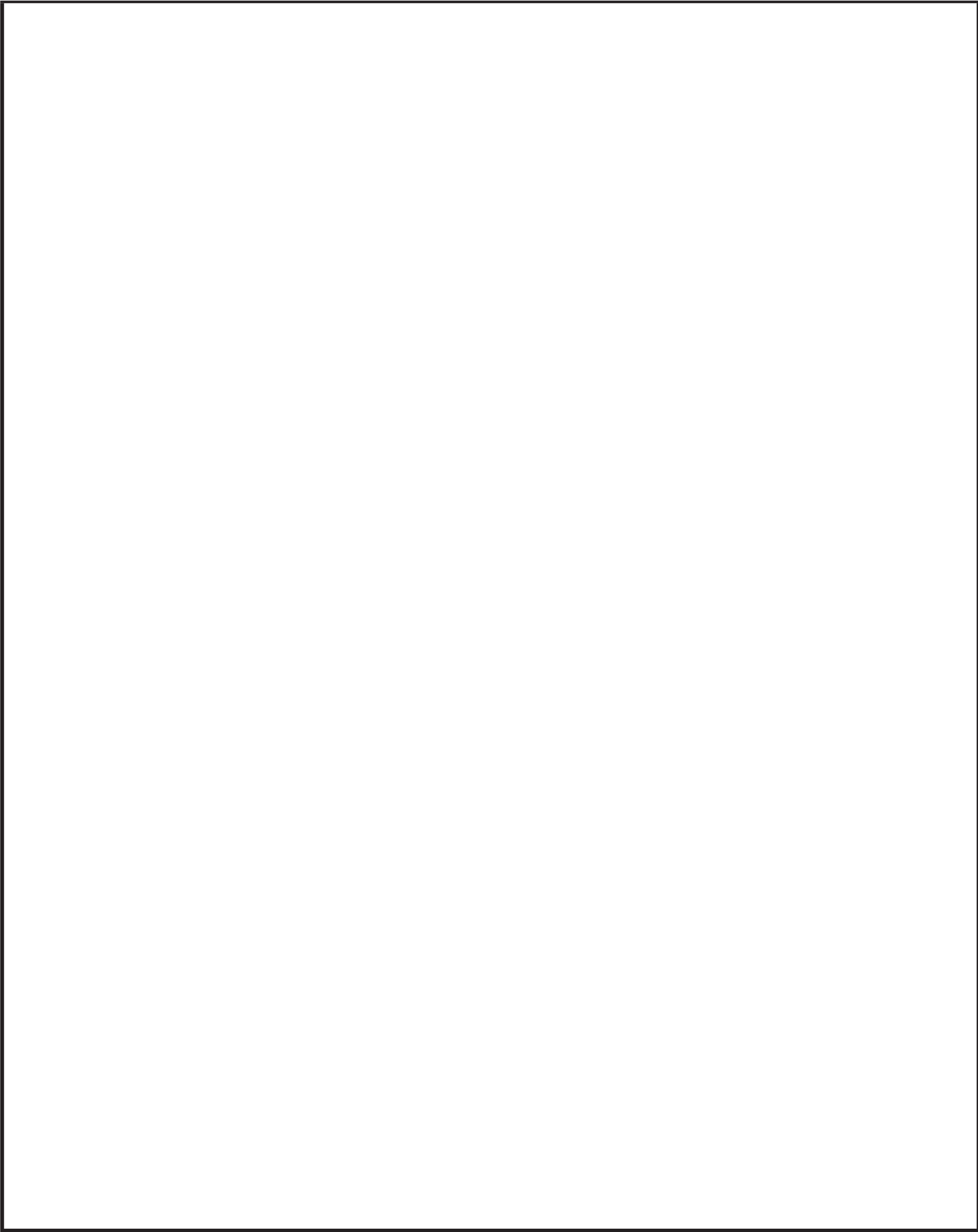
- A.** The list is a representative sample because it contains a wide range of possible values.
- B.** The list is a representative sample because the first 7 payments could have been made by anyone.
- C.** The list is not a representative sample because 7 is less than 10% of 100, and a representative sample should be at least 10% of the total.
- D.** The list is not a representative sample because they will probably not get a proportional amount of payments from parents in the first 100 payments.

**Go On ►**

**5**

Use the **Car Wash Payments** list to answer the question.

Jenna finds the mean of the first 7 car wash payments. Reid removes \$20 and \$25 from the data set. After removing the values, he finds the mean of the remaining car wash payments. They each use the means they find to make an estimate of how much money they will earn if they wash 100 cars. By how much is Jenna's estimate greater than Reid's estimate? Show or explain your work.



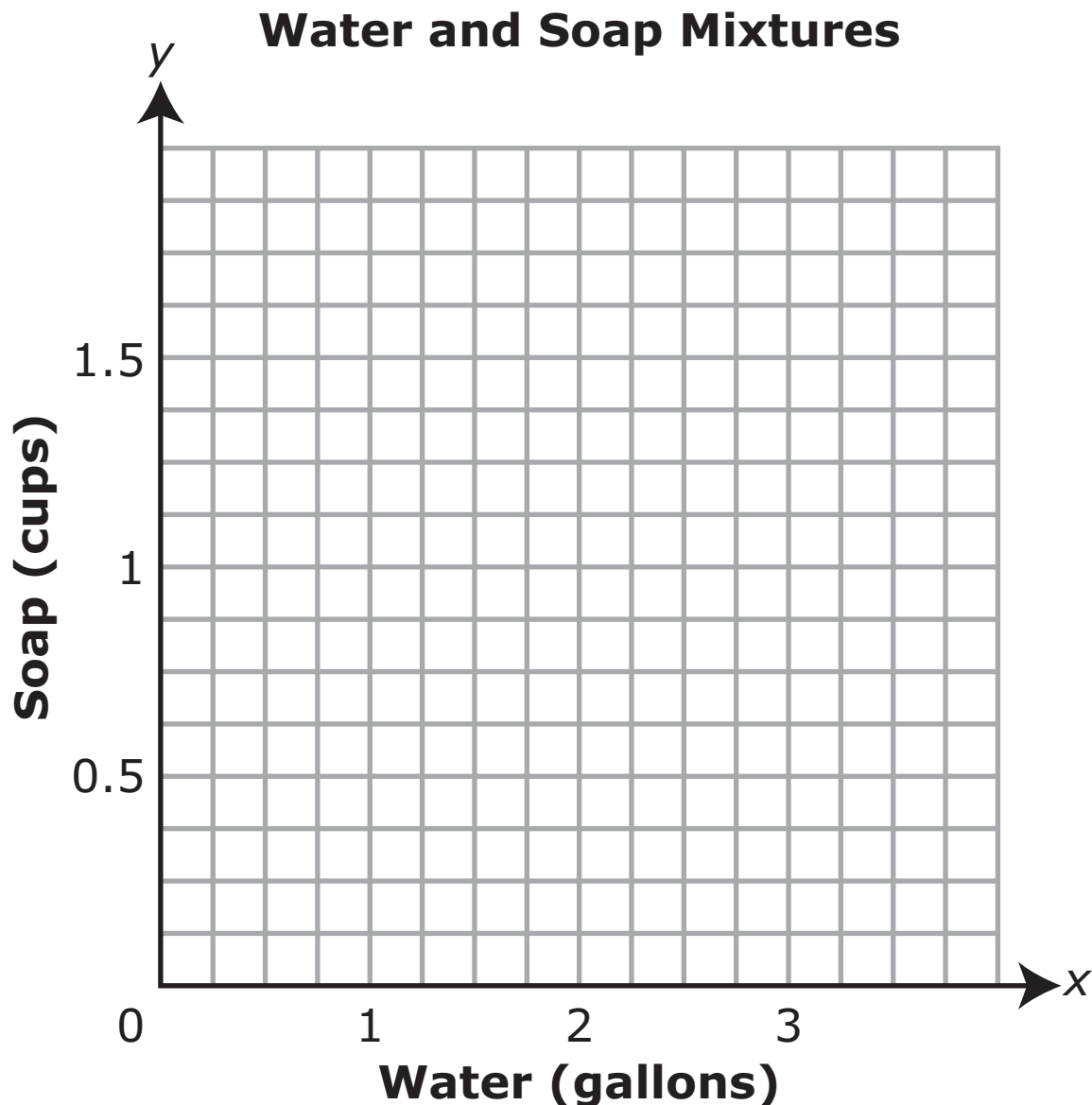
**Go On ▶**

**6**

Use the **Water and Soap Mixtures** table to answer the question.

Plot five points on the coordinate grid. The five points should consist of:

- 1 point for each row in the table
- 1 point to represent the unit rate, in cups of soap per gallon of water
- 1 point to represent the number of cups of soap that should be used in 0 gallons of water



**STOP**

**STOP**

**STOP**

# **ATTENTION!**

**Do NOT go on  
until you are  
told to do so.**



Data Recognition Corporation  
13490 Bass Lake Road  
Maple Grove, MN 55311  
800.826.2368 | [www.datarecognitioncorp.com](http://www.datarecognitioncorp.com)

