



End-of-Year Assessment
Grade 5 Mathematics

EOY Grade 5 Math

Student _____

Class _____

Date _____

1. Amber saved a total of \$3.20 over 5 weeks. She saved the same amount of money each week. How much money did Amber save each week?

A. \$1.44

B. \$1.56

C. \$0.64

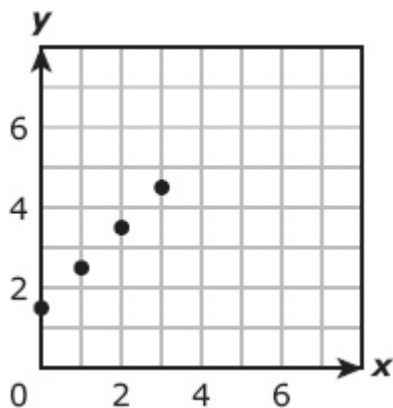
D. \$1.80

2. Priscilla built a cabinet shaped like a rectangular prism. The length of the base is 9 inches, and the width is 40 inches.

What is the area of the base of the cabinet in square inches?

- A.** 49 square inches
- B.** 360 square inches
- C.** 98 square inches
- D.** Not here

3. The graph shown represents the rule $y = x + 1.5$.



Which table contains only values that represent the rule?

A.

x	0	1	2	3	9
y	0	1.5	3	4.5	6

B.

x	0	1	2	3	9
y	0	1.5	3	4.5	13.5

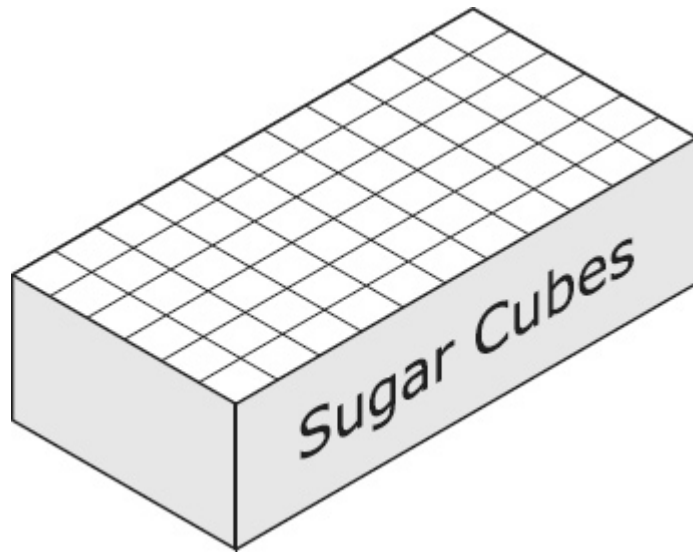
C.

x	0	1	2	3	9
y	1.5	3	4.5	6	7.5

D.

x	0	1	2	3	9
y	1.5	2.5	3.5	4.5	10.5

4. Emily has a box shaped like a rectangular prism that is full of sugar cubes.
- Each sugar cube has a volume of 1 cubic centimeter.
 - The top layer has a width of 6 cm and a length of 11 cm.
 - There are 3 layers of sugar cubes.



How many sugar cubes are in the box?

- A. 198
- B. 66
- C. 594
- D. 99

5. Mr. Márquez had 123 eggs in a refrigerator in his restaurant. He put 32 more cartons of eggs in the refrigerator. Each carton contained 18 eggs. Which of these is the best estimate of the number of eggs Mr. Márquez now has in his refrigerator?

A. 600

B. 400

C. 700

D. 900

6. Jacob wrote the expression shown.

$$10 \div 5 + 4(72 - 6)$$

What do these parentheses indicate in the expression?

A. Divide 10 by 5 before adding 4

B. Multiply 4 by 72 before subtracting 6

C. Add 5 and 4 together before subtracting 6 from 72

D. Subtract 6 from 72 before multiplying by 4

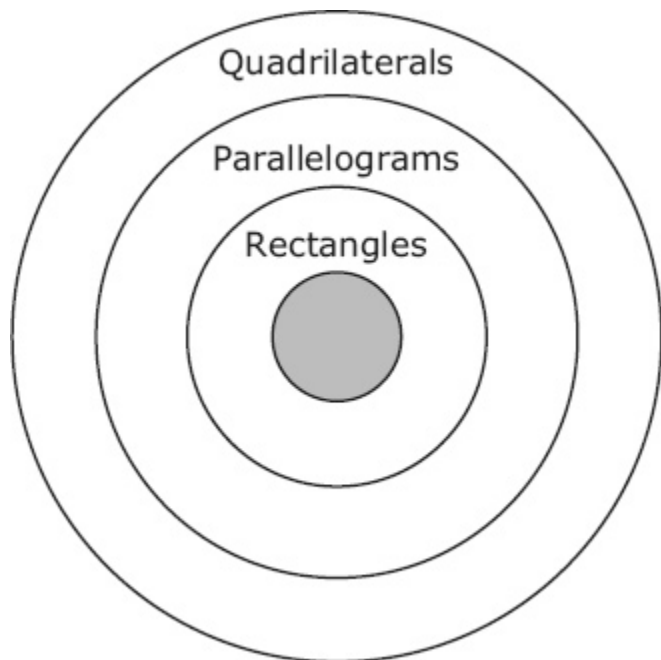
7. Scott drank 3.5 bottles of water yesterday. Each bottle contained 1.2 pints of water. What was the number of pints of water Scott drank yesterday?
- A. 4.7 pints
 - B. 4.2 pints
 - C. 4.1 pints
 - D. 42 pints
8. At a clothing store, Zoey bought 2 shirts for \$7.25 each and 2 pairs of jeans for \$24 each. She used a coupon for \$10 off the total price of the clothes. The discounted price of the clothes Zoey bought can be found using this expression.

$$[2(7.25) + 2(24)] - 10$$

What is the discounted price in dollars and cents of the clothes Zoey bought?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

9. In the diagram shown each circle represents a group of polygons. If a polygon belongs in a circle, it also belongs in any larger circle.



Which kind of polygon belongs in the shaded circle?

- A. Trapezoids
- B. Squares
- C. Pentagons
- D. Rhombuses

10. A family spent \$93 at a carnival.

- They spent \$18 on tickets to the carnival and \$36 on food.
- They spent the rest of the money on games.

Which equation can be used to find g , the amount of money in dollars the family spent on games?

- A. $93 = g + 36 - 18$
- B. $93 = 18 + 36 - g$
- C. $93 = 36 - 18 - g$
- D. $93 = g + 36 + 18$

11. Four students each wrote down a number between 30 and 40. The list shows the numbers they wrote.

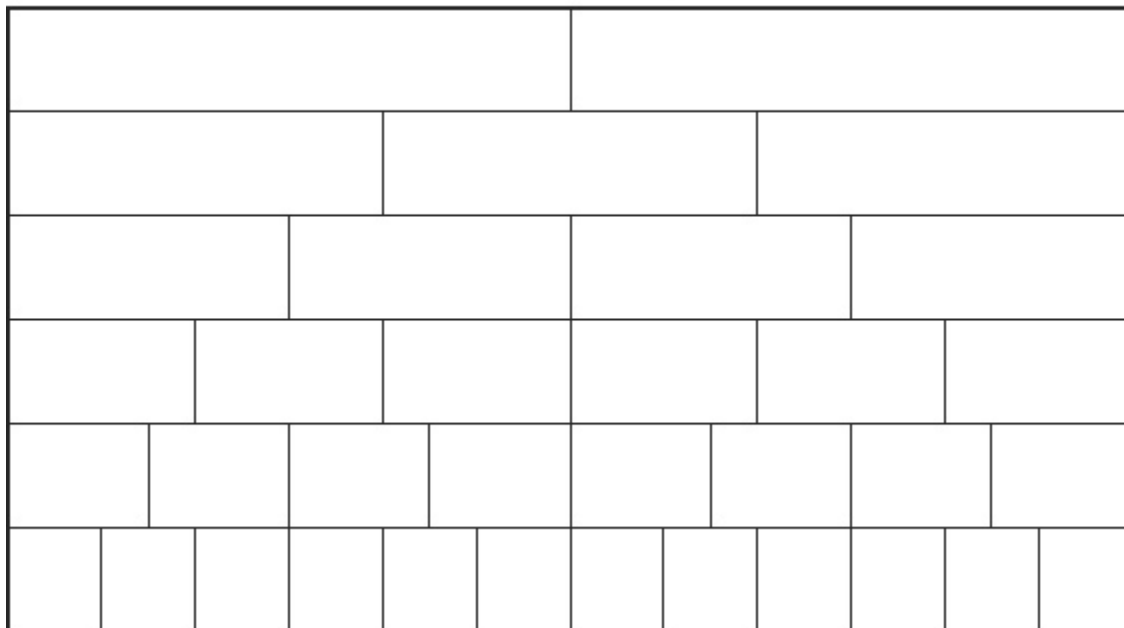
- Elly—35
- Ulysses—39
- Maggie—37
- Palmer—33

Which student wrote down a prime number?

- A. Elly
- B. Ulysses
- C. Maggie
- D. Palmer

12. Vanna used the fraction strips shown to help her determine the difference between $\frac{5}{6}$ and $\frac{1}{4}$.

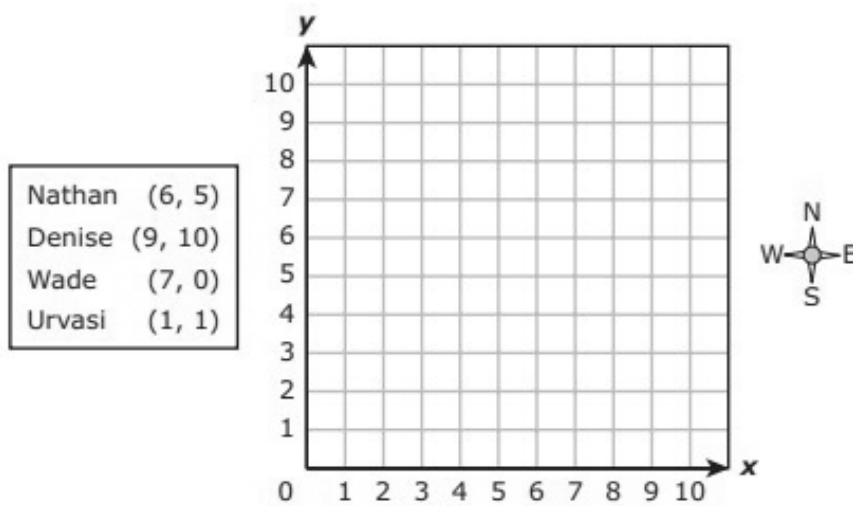
Fraction Strips



What is $\frac{5}{6} - \frac{1}{4}$?

- A. $\frac{1}{5}$
- B. $\frac{7}{12}$
- C. $\frac{1}{2}$
- D. $\frac{5}{8}$

13. The ordered pairs below represent the location of four people.



Paula is located at $(7, 7)$. Based on this information, which statement is true?

- A. Paula is located 1 unit south and 2 units east from Nathan.
- B. Paula is located 7 units east from Wade.
- C. Paula is located 3 units south and 2 units west from Denise.
- D. Paula is located 6 units west from Urvasi.

14. Mr. Ávalos has 9.375 liters of paint. What is this number rounded to the nearest hundredth?

- A. 9.40
- B. 9.38
- C. 9.37
- D. 9.47

15. The owner of a snow cone stand used $\frac{1}{4}$ gallon of syrup to make 16 cherry snow cones. She used the same amount of syrup in each snow cone.

How much syrup in gallons was used in each cherry snow cone?

- A. $\frac{1}{4}$ gal
 - B. 4 gal
 - C. $\frac{1}{64}$ gal
 - D. 64 gal
16. Yvonne is using a coordinate grid for the first time. She wants to find the location of the ordered pair (3, 7) on the grid.

Starting at the origin, which movement should Yvonne do first?

- A. Move right along the x -axis to 3
- B. Move up along the y -axis to 3
- C. Move right along the y -axis to 7
- D. Move up along the x -axis to 7

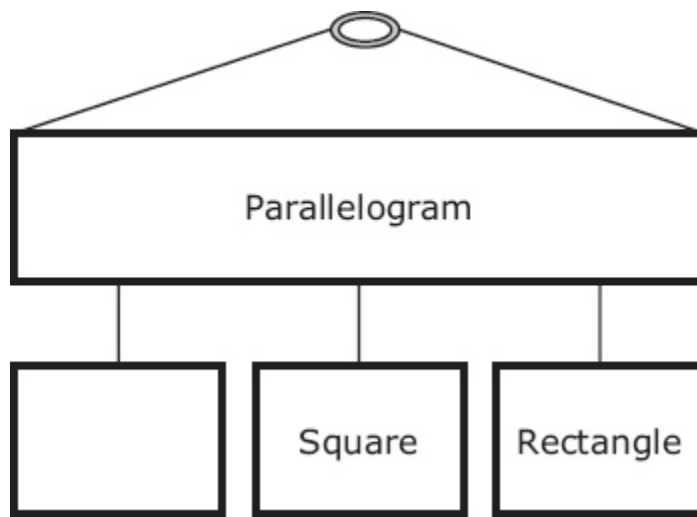
17. Mr. Wilfred used a full 2-liter bottle of liquid soap to fill two soap containers.

- He put 0.475 liter of soap in the first container.
- He put 0.35 liter of soap in the second container.

How many liters of liquid soap remained in the bottle?

- A. 0.825 L
- B. 0.625 L
- C. 1.175 L
- D. 1.49 L

18. Nathan built the hanging mobile shown in the picture to show some relationships among shapes.



Which shape goes in the empty box in order to complete Nathan's mobile?

- A. Trapezoid
- B. Quadrilateral
- C. Rhombus
- D. Triangle

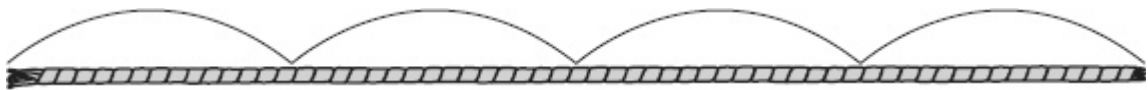
19. A definition of a financial term is shown in the box.

A tax that includes Social Security and Medicare taxes and is paid by an employer

Which term best fits this definition?

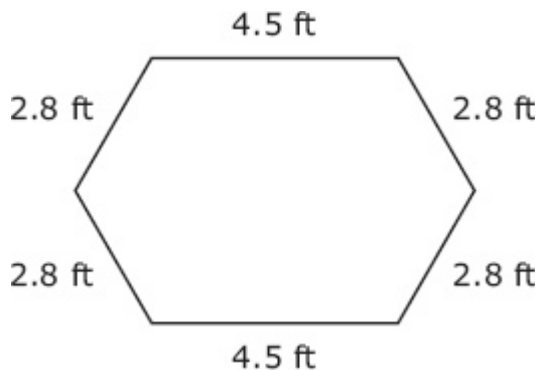
- A. Payroll tax
- B. Property tax
- C. Sales tax
- D. Gasoline tax

20. The length of a piece of yarn is 19.2 units. Jesse cut the piece of yarn into 4 smaller pieces that were all the same length. Which expression represents the length of each smaller piece of yarn?



- A. 19.2×4
- B. $19.2 - 4$
- C. $19.2 \div 4$
- D. $19.2 + 4$

21. A hexagon and its side lengths are shown.



What is the perimeter of the hexagon in feet?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

22. The equation $y = 1.5x$ can be used to determine y , the number of cups of water needed to cook x cups of rice. Which table shows the relationship between x and y ?

A. Cooking Rice

Number of Cups of Rice, x	9	11	13	15
Number of Cups of Water, y	13.5	16.5	19.5	22.5

B. Cooking Rice

Number of Cups of Rice, x	10	12	14	16
Number of Cups of Water, y	11.5	13.5	15.5	17.5

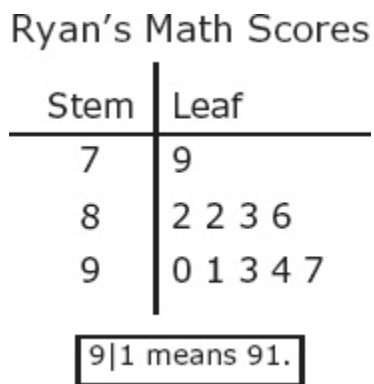
C. Cooking Rice

Number of Cups of Rice, x	13	15	17	19
Number of Cups of Water, y	19.5	21	22.5	24

D. Cooking Rice

Number of Cups of Rice, x	14	16	18	20
Number of Cups of Water, y	14.5	16.5	18.5	20.5

23. The stem and leaf plot shows Ryan's math scores so far this year.



What is the sum of Ryan's greatest math score and least math score?

- A. 169
- B. 187
- C. 176
- D. Not here

24. The length of one wall in Mr. Shelby's classroom is 29 feet. What is the length of this wall in inches?

- A. 348 in.
- B. 242 in.
- C. 338 in.
- D. 248 in.

25. The table shows x -values and y -values for a number pattern.

x	y
12	18
24	30
48	54
60	66

Which statement is true?

- A. The pattern is multiplicative, because the y -values are 1.5 times the corresponding x -values.
- B. The pattern is multiplicative, because the y -values are 6 more than the corresponding x -values.
- C. The pattern is additive, because the y -values are 1.5 times the corresponding x -values.
- D. The pattern is additive, because the y -values are 6 more than the corresponding x -values.

26. Which list shows the numbers NOT in order from least to greatest?

A. $4.036 < 4.08 < 4.2 < 4.201$

B. $3.09 < 3.1 < 3.607 < 3.9$

C. $6.4 < 6.51 < 6.387 < 6.995$

D. $7.315 < 7.38 < 7.406 < 7.5$

27. Ms. Sikes paid a total of \$95.40 for a 12-month magazine subscription. She paid the same amount each month. What amount did Ms. Sikes pay each month?

A. \$7.95

B. \$7.96

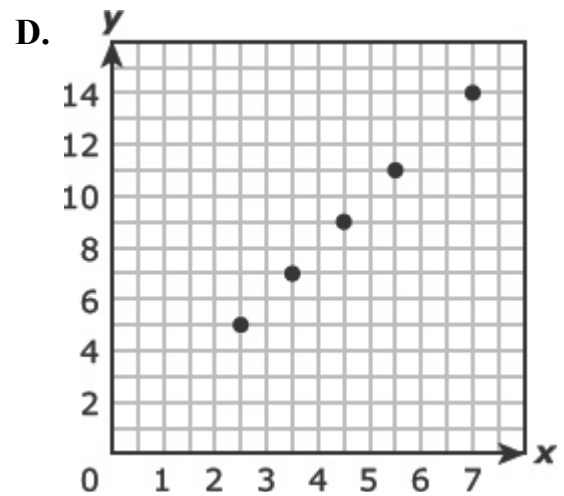
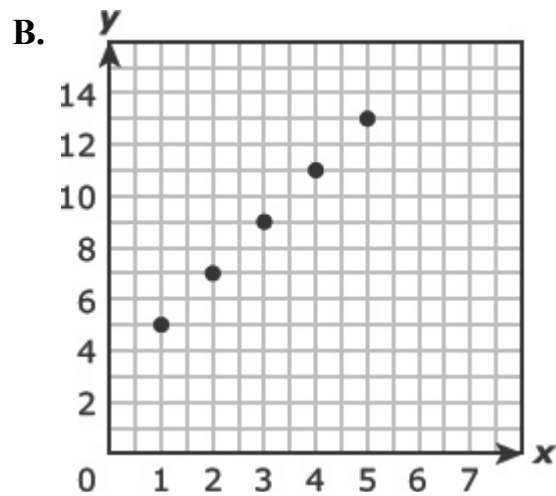
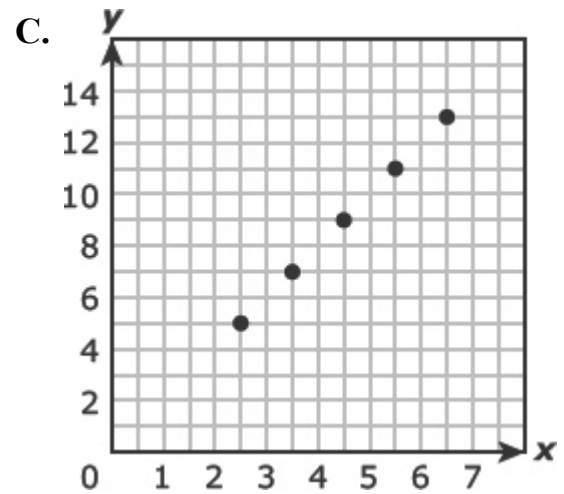
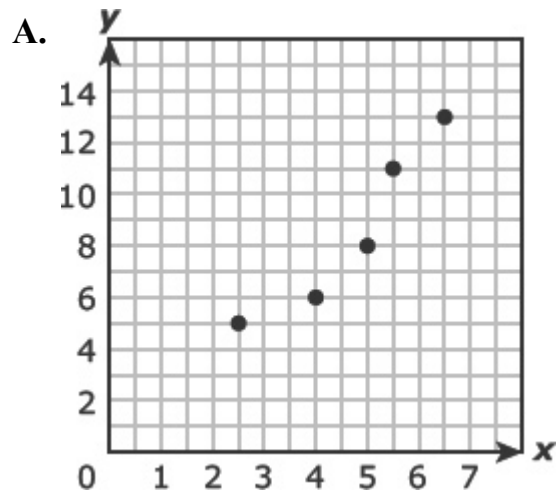
C. \$1,144.80

D. \$107.40

28. A table of ordered pairs is shown.

x	$2\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$
y	5	7	9	11	13

Which graph represents these ordered pairs?



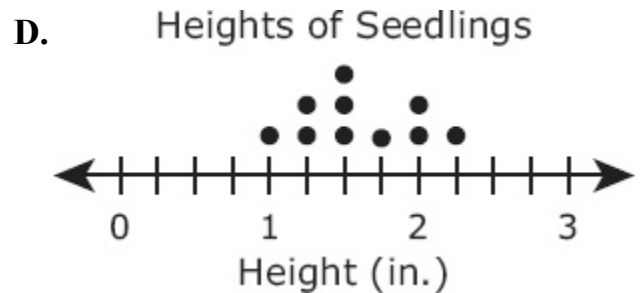
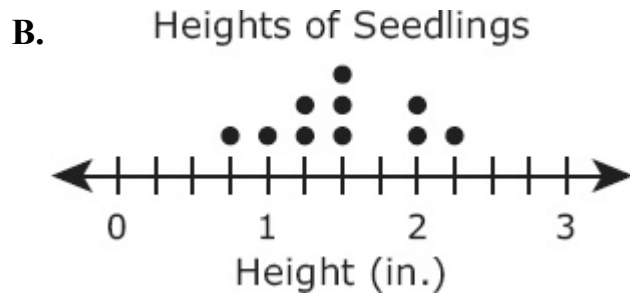
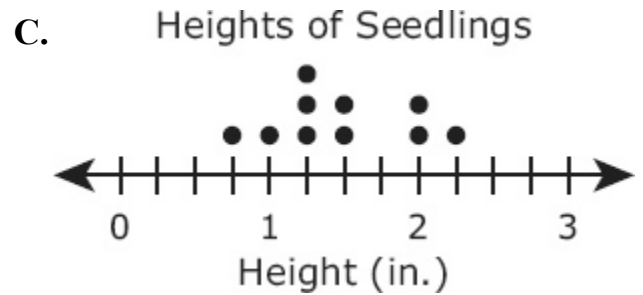
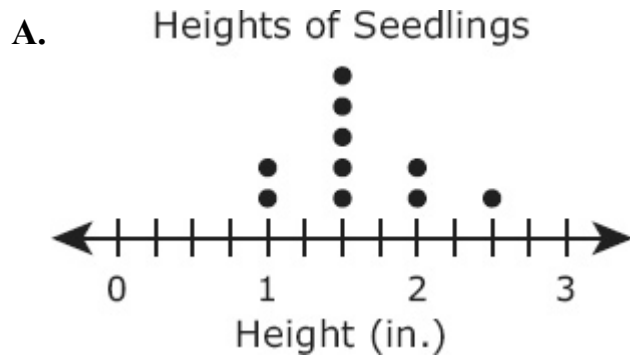
- 29.** Freddy exercised 2.5 hours per day on 4 days last week. He burned 330 calories per hour while exercising. How many calories did Freddy burn by exercising last week?
- A.** 2,640 calories
 - B.** 26,400 calories
 - C.** 3,300 calories
 - D.** 33,000 calories

30. The table shows the heights of 10 seedlings.

Heights of Seedlings

Seedling	A	B	C	D	E	F	G	H	I	J
Height (in.)	$1\frac{1}{4}$	2	$1\frac{1}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	$2\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	1	2

Which dot plot represents these data?



31. Harold cut $18\frac{1}{2}$ inches off a rope that was 60 inches long. How is the length of the remaining rope in inches written in decimal form?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

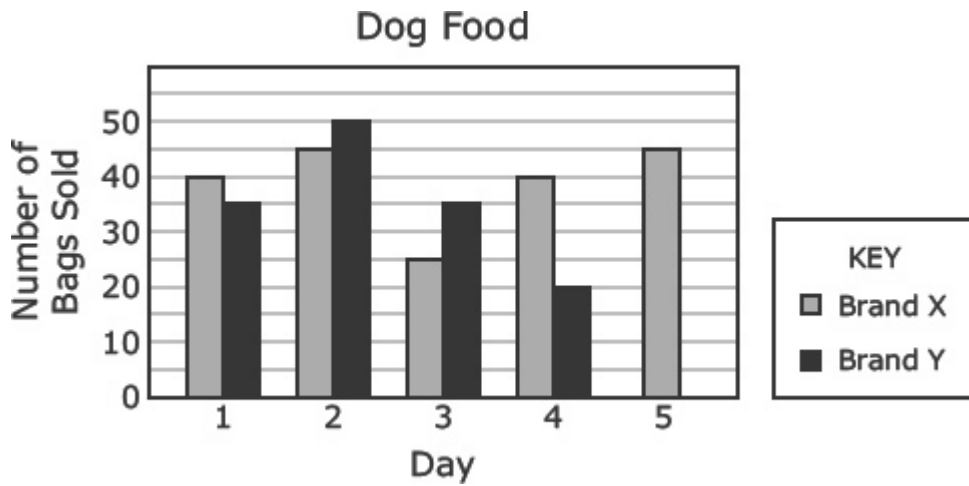
32. Mr. Fernández packed 31 red apples and 41 green apples into a box for a customer. He packed 8 boxes like this. Mr. Fernández used this equation to find x , the number of apples he packed into all the boxes.

$$x = (31 + 41)8$$

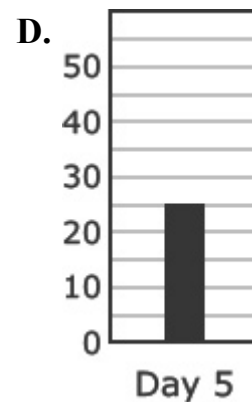
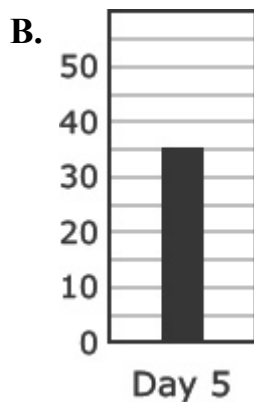
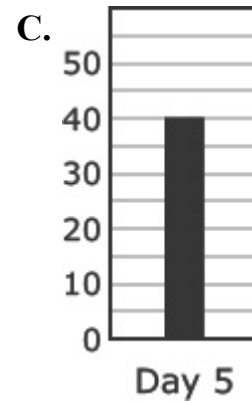
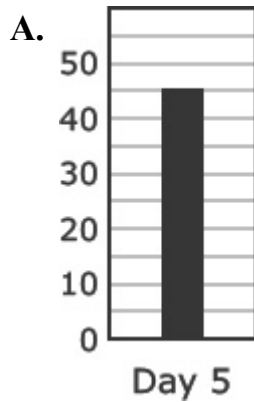
How many apples did Mr. Fernández pack into the boxes?

- A. 576
- B. 568
- C. 80
- D. 10,168

33. The bar graph shows the numbers of bags of two brands of dog food that were sold at a store. One bar for Day 5 is missing from the graph.



The number of bags of Brand Y dog food sold on these five days was 175. Which bar represents the data for Day 5 for Brand Y?



34. Tommy bought 3 cups of blueberries. He will eat $\frac{1}{2}$ cup of blueberries each day.

How many days can Tommy eat the blueberries before they are all gone?

A. 6

B. 2

C. 5

D. 4

35. What is the value of this expression?

$$[45 - (6 + 3)] \times 27$$

A. 1,134

B. 972

C. 198

D. 1,206

36. A company makes 625 cell phone cases each day. How many cell phone cases does the company make in 31 days?

A. 18,375

B. 1,490

C. 2,500

D. 19,375

