Targetted STAAR Release Items

2016 thru 2018

Category 1

TEKS (5.2A, 5.2B, 5.2C, 5.4F)

STAAR® Test	Grade 5 M	Item #	22	Content SE	5.2A	SE Type	Supporting
Administration	Spring 2018	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	04

22 A temperature in degrees Fahrenheit is shown in expanded notation.

$$(9 \times 10) + (4 \times 0.1)$$

How is this temperature in degrees Fahrenheit written as a numeral?

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

STAAR® Test	Grade 5 M	Item #	5	Content SE	5.2A	SE Type	Supporting
Administration	Spring 2016	Reporting Category	1	Process SE	5.1A, 5.1B, 5.1D, 5.1F	Unit (IFD)	04

5 A bank received a check for two thousand, six hundred nine dollars and seventy-five cents. How is this number written in expanded notation?

A $(2 \times 1{,}000) + (6 \times 100) + (9 \times 10) + (7 \times 0.01) + (5 \times 0.01)$

B $(2 \times 1{,}000) + (6 \times 100) + (9 \times 1) + (7 \times 0.1) + (5 \times 0.01)$

C $(2 \times 1{,}000) + (6 \times 10) + (9 \times 1) + (7 \times 1) + (5 \times 1)$

D $(2 \times 1{,}000) + (6 \times 100) + (9 \times 1) + (7 \times 0.01) + (5 \times 0.001)$

STAAR® Test	Grade 5 M	Item #	2	Content SE	5.2B	SE Type	Readiness
Administration	Spring 2018	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	04

2 Which comparison is NOT true?

F $3.375 > 3.275$

G $6.875 < 6.9$

H $2.65 > 2.675$

J $7.675 < 7.75$

STAAR® Test	Grade 5 M	Item #	30	Content SE	5.2B	SE Type	Readiness
Administration	Spring 2018	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	04

30 Elias has three containers of cooking oil. The table shows the volume of cooking oil in each container.

Elias's Cooking Oil

Container	Volume (L)
X	0.946
Y	0.502
Z	1.42

Which list shows the containers in order from least to greatest volume in liters?

F Container X, Container Y, Container Z

G Container Y, Container X, Container Z

H Container Z, Container Y, Container X

J Container Z, Container X, Container Y

STAAR® Test	Grade 5 M	Item #	2	Content SE	5.2B	SE Type	Readiness
Administration	Spring 2017	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	04

2 A scientist compared these two measurements.

13.068 kg ☐ 13.608 kg

Which symbol makes this comparison true?

F >

G <

H =

J +

STAAR® Test	Grade 5 M	Item #	25	Content SE	5.2B	SE Type	Readiness
Administration	Spring 2017	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	04

25 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 $7.315 < 7.38 < 7.406 < 7.5$

STAAR® Test	Grade 5 M	Item #	12	Content SE	5.4F	SE Type	Readiness
Administration	Spring 2018	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	05, 11, 12

12 What is the value of the expression shown?

$$4[4.5 - 2(1.2)]$$

F 8.4

G 15.6

H 12

J 19.2

STAAR® Test	Grade 5 M	Item #	27	Content SE	5.4F	SE Type	Readiness
Administration	Spring 2018	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	06, 11, 13

27 A chef used $\frac{1}{4}$ cup of milk for one recipe. Then she used 2 cups of milk for each of 5 more recipes. The total number of cups of milk the chef used can be found by using this expression.

$$\frac{1}{4} + (2 \times 5)$$

How many cups of milk did the chef use?

A $10\frac{1}{4}$ c

B $11\frac{1}{4}$ c

C $\frac{11}{4}$ c

D $\frac{15}{4}$ c

STAAR® Test	Grade 5 M	Item #	16	Content SE	5.4F	SE Type	Readiness
Administration	Spring 2017	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	02, 11

16 Margaret opened a new case of lightbulbs.

- The case contained 3 boxes of lightbulbs with 8 lightbulbs in each box.
- Margaret threw 2 of these lightbulbs in the trash because they were damaged.
- Then she took 7 of the lightbulbs out of the case.

Which expression can be used to show that there are 15 lightbulbs still in the case?

F $3 \times 8 - 2 + 7$

G $3(8) - 2(7)$

H $3 \times 8 - (2 + 7)$

J $3 + 8 - 2 + 7$

STAAR® Test	Grade 5 M	Item #	32	Content SE	5.4F	SE Type	Readiness
Administration	Spring 2017	Reporting Category	1	Process SE	Not Reported	Unit (IFD)	04, 05, 11, 12

32 An expression is shown.

$$8 \times (3.8 + 13.2) - 6$$

What value is equivalent to the expression?

F 37.6

G 61.4

H 130

J 88

STAAR® Test	Grade 5 M	Item #	25	Content SE	5.4F	SE Type	Readiness
Administration	Spring 2016	Reporting Category	1	Process SE	5.1A, 5.1B, 5.1F	Unit (IFD)	05, 11, 12

25 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.

STAAR® Test	Grade 5 M	Item #	49	Content SE	5.4F	SE Type	Readiness
Administration	Spring 2016	Reporting Category	1	Process SE	5.1B, 5.1F	Unit (IFD)	02, 11

49 What is the value of this expression?

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

A 1,134

B 972

C 198

D 1,206

Targetted STAAR Release Items

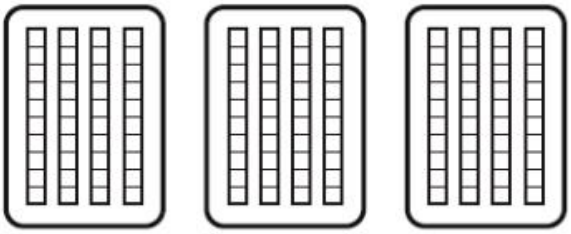
2016 thru 2018

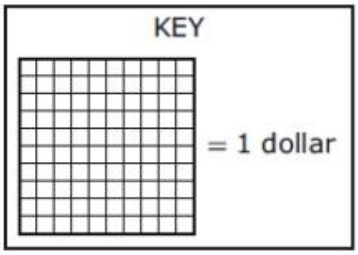
Category 2

TEKS (5.3D, 5.3E, 5.3F, 5.3G)

STAAR® Test	Grade 5 M	Item #	10	Content SE	5.3D	SE Type	Supporting
Administration	Spring 2018	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 12

10 George bought 3 peppers for a cost of \$0.40 each. The model represents this situation.





Which equation shows how to find the total cost in dollars and cents of the peppers George bought?

F $3 \times 4 = 12.00$

G $3 \times 40 = 120.00$

H $3 \times 0.40 = 1.20$

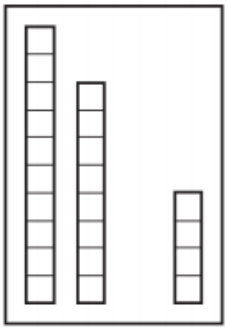
J $3 \times 0.40 = 0.12$

STAAR® Test	Grade 5 M	Item #	42	Content SE	5.3D	SE Type	Supporting
Administration	Spring 2016	Reporting Category	2	Process SE	5.1A, 5.1B, 5.1D, 5.1F	Unit (IFD)	05, 12

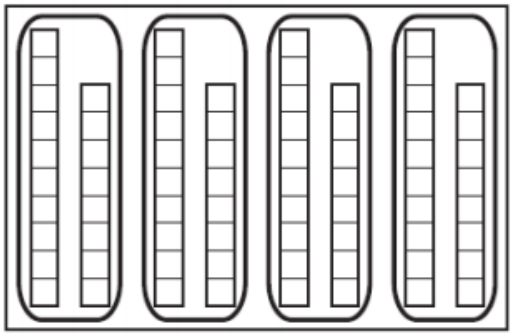
42 Marisela used this model to represent 1 whole.

Which model represents 1.8×4?

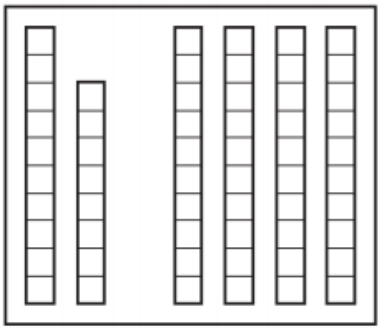
F



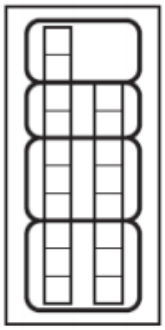
H



G

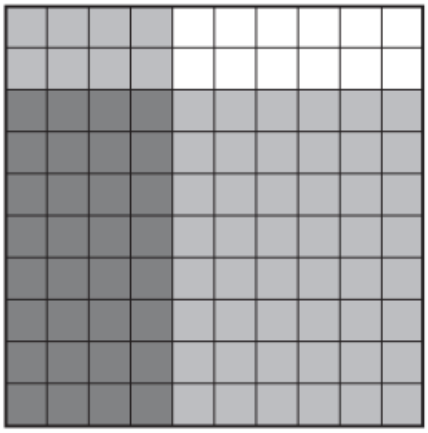


J



STAAR® Test	Grade 5 M	Sample Item #	4	Content SE	5.3D	SE Type	Supporting
Administration	Spring 2015	Reporting Category	2	Process SE	5.1B, 5.1D, 5.1F	Unit (IFD)	05, 12

4 The hundredths model in the figure is shaded to represent the multiplying of two numbers.



Which equation can be represented by the shaded parts of the model?

A $80 \times 40 = 3{,}200$

B $0.08 \times 0.04 = 0.32$

C $0.80 \times 0.40 = 0.32$

D $0.08 \times 0.04 = 0.032$

STAAR® Test	Grade 5 M	Item #	7	Content SE	5.3E	SE Type	Readiness
Administration	Spring 2018	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

7 One bucket of gravel has a mass of 7.05 kg. What is the mass of 20 buckets of gravel in kilograms?

A 14.1 kg

B 150 kg

C 27.05 kg

D 141 kg

STAAR® Test	Grade 5 M	Item #	25	Content SE	5.3E	SE Type	Readiness
Administration	Spring 2018	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

25 An electronic book has a file size of 2.4 megabytes. What is the file size in megabytes of 16 of these electronic books?

A 32.4 megabytes

B 54.4 megabytes

C 32.64 megabytes

D 38.4 megabytes

STAAR® Test	Grade 5 M	Item #	17	Content SE	5.3E	SE Type	Readiness
Administration	Spring 2017	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

17 Mia's dog weighs 32.6 pounds. Lettie's dog weighs 3.8 times as much as Mia's dog. What does Lettie's dog weigh in pounds?

A 36.40 lb

B 12.388 lb

C 96.48 lb

D 123.88 lb

STAAR® Test	Grade 5 M	Item #	35	Content SE	5.3E	SE Type	Readiness
Administration	Spring 2017	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

35 Mr. Roosevelt has 48 nails that each weigh 1.35 ounces. What is the weight of these nails in ounces?

A 50.4 oz

B 40.4 oz

C 64.8 oz

D 16.2 oz

STAAR® Test	Grade 5 M	Item #	9	Content SE	5.3E	SE Type	Readiness
Administration	Spring 2016	Reporting Category	2	Process SE	5.1A, 5.1B, 5.1F	Unit (IFD)	05, 11, 12

9 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

STAAR® Test	Grade 5 M	Item #	39	Content SE	5.3E	SE Type	Readiness
Administration	Spring 2016	Reporting Category	2	Process SE	5.1A, 5.1B, 5.1F	Unit (IFD)	05, 11, 12

39 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

STAAR® Test	Grade 5 M	Sample Item #	5	Content SE	5.3E	SE Type	Readiness
Administration	Spring 2015	Reporting Category	2	Process SE	5.1A, 5.1B, 5.1F	Unit (IFD)	05, 11, 12

5 Denise spent $3.45 on snacks every day for 11 days. What is the amount of money Denise spent on these snacks?

A $379.50

B $14.45

C $37.95

D $6.90

STAAR® Test	Grade 5 M	Item #	23	Content SE	5.3F	SE Type	Supporting
Administration	Spring 2018	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 12

23 Mark has $5.25 in quarters. He spent all this money on 3 sports drinks. He spent the same amount for each sports drink.

Which equation can be used to find the amount of money Mark spent for each sports drink?

A $5.25 \times 3 = 15.75$

B $5.25 \div 7 = 0.75$

C $5.25 \div 3 = 1.75$

D $5.25 \times 7 = 36.75$

STAAR® Test	Grade 5 M	Item #	19	Content SE	5.3F	SE Type	Supporting
Administration	Spring 2017	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 12

19 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 $19.2 - 4$

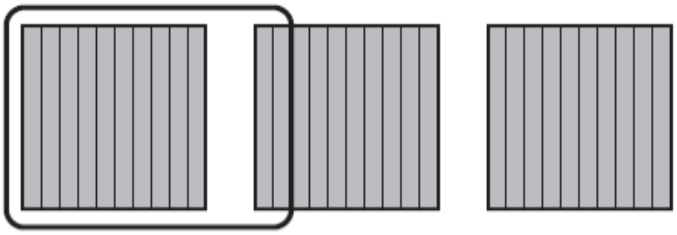
C $19.2 \div 4$

D $19.2 + 4$

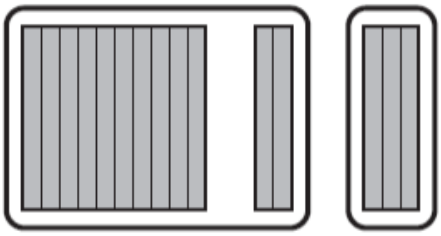
STAAR® Test	Grade 5 M	Item #	10	Content SE	5.3F	SE Type	Supporting
Administration	Spring 2016	Reporting Category	2	Process SE	5.1B, 5.1D, 5.1F	Unit (IFD)	05, 12

10 Which model represents $1.2 \div 3$?

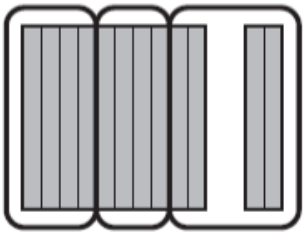
F



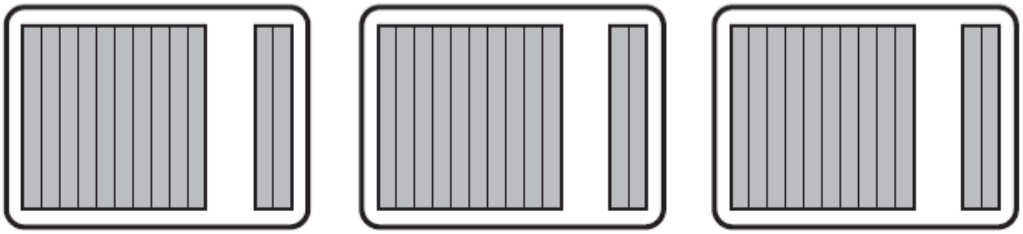
G



H

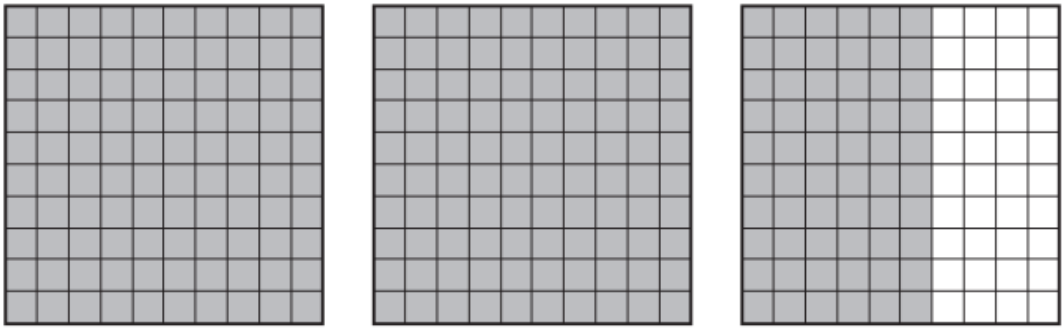


J

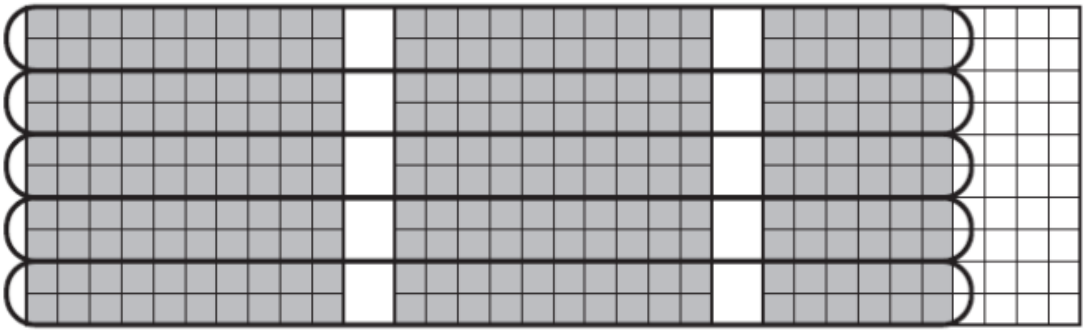


STAAR® Test	Grade 5 M	Sample Item #	6	Content SE	5.3F	SE Type	Supporting
Administration	Spring 2015	Reporting Category	2	Process SE	5.1B, 5.1D, 5.1F	Unit (IFD)	05, 12

6 The model is shaded to represent two and sixty-hundredths.



This model represents an equation.



Which equation is represented by this model?

A $2.50 \times 5 = 12.5$

B $2.60 \div 5 = 0.52$

C $52 \times 5 = 260$

D $2.06 \div 5 = 0.412$

STAAR® Test	Grade 5 M	Item #	5	Content SE	5.3G	SE Type	Readiness
Administration	Spring 2018	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

5 A math problem is shown.

$$78\overline{)4.68}$$

What is the quotient?

A 0.14

B 0.6

C 0.06

D 0.51

STAAR® Test	Grade 5 M	Item #	35	Content SE	5.3G	SE Type	Readiness
Administration	Spring 2018	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

35 The weight of sand in a large bag is 63.4 pounds. The sand in the bag is divided equally into 20 small bags.

What is the weight in pounds of the sand in each small bag?

A 3.114 lb

B 3.107 lb

C 31.7 lb

D 3.17 lb

STAAR® Test	Grade 5 M	Item #	1	Content SE	5.3G	SE Type	Readiness
Administration	Spring 2017	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

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

STAAR® Test	Grade 5 M	Item #	33	Content SE	5.3G	SE Type	Readiness
Administration	Spring 2017	Reporting Category	2	Process SE	Not Reported	Unit (IFD)	05, 11, 12

33 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

STAAR® Test	Grade 5 M	Item #	4	Content SE	5.3G	SE Type	Readiness
Administration	Spring 2016	Reporting Category	2	Process SE	5.1A, 5.1B, 5.1F	Unit (IFD)	05, 11, 12

4 A rope was 14.35 inches long. Megan cut the rope into 7 pieces of equal length. What was the length of each piece of rope in inches?

F 2.5 in.

G 2.35 in.

H 2.05 in.

J 2.55 in.

STAAR® Test	Grade 5 M	Item #	44	Content SE	5.3G	SE Type	Readiness
Administration	Spring 2016	Reporting Category	2	Process SE	5.1B, 5.1F	Unit (IFD)	05, 11, 12

44 What is the quotient when 0.75 is divided by 5?

F 4.25

G 0.15

H 3.75

J Not here

STAAR® Test	Grade 5 M	Sample Item #	7	Content SE	5.3G	SE Type	Readiness
Administration	Spring 2015	Reporting Category	2	Process SE	5.1A, 5.1B, 5.1F	Unit (IFD)	05, 11, 12

7 Anthony has a goal of saving $96.20. He will save the same amount each week for 13 weeks. How much will Anthony need to save each week in order to meet his goal?

A $7.40

B $7.52

C $7.04

D $7.31

Targetted STAAR Release Items

2016 thru 2018

Category 3

TEKS (5.4H, 5.5A, 5.6A, 5.6B, 5.7A)

STAAR® Test	Grade 5 M	Item #	4	Content SE	5.4H	SE Type	Readiness
Administration	Spring 2018	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

4 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?

F 49 square inches

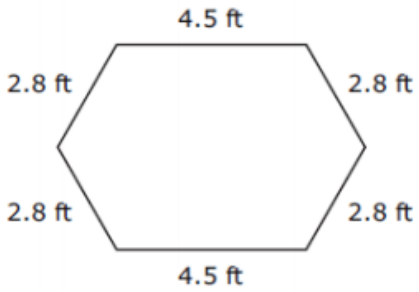
G 360 square inches

H 98 square inches

J Not here

STAAR® Test	Grade 5 M	Item #	28	Content SE	5.4H	SE Type	Readiness
Administration	Spring 2018	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

28 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.

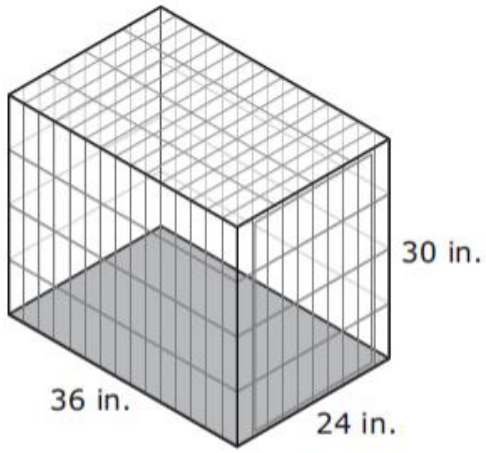
STAAR® Test	Grade 5 M	Item #	6	Content SE	5.4H	SE Type	Readiness
Administration	Spring 2017	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

6 A rectangular billboard is 9.35 meters wide and 6.82 meters tall. What is the perimeter of the billboard in meters?

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

STAAR® Test	Grade 5 M	Item #	27	Content SE	5.4H	SE Type	Readiness
Administration	Spring 2017	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

27 Gabriel bought a dog crate shaped like a rectangular prism with the dimensions shown in the model.



What is the area in square inches of the shaded floor of the dog crate?

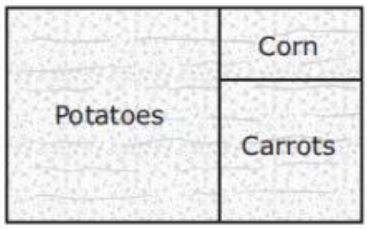
A 864 square inches

B 1,080 square inches

C 720 square inches

D 1,296 square inches

17 Phoebe divided her rectangular vegetable garden into three sections, as shown in the drawing below.



- The potato section is a square with a side length of 7 meters.
- The carrot section is a square with a side length of 5 meters.

What is the area, in square meters, of the corn section of Phoebe's garden?

A 10 square meters

B 14 square meters

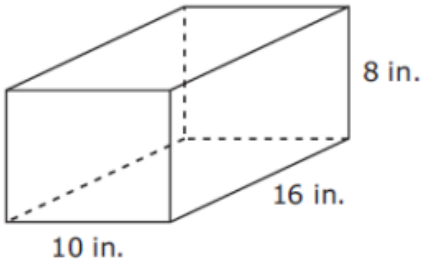
C 84 square meters

D 35 square meters

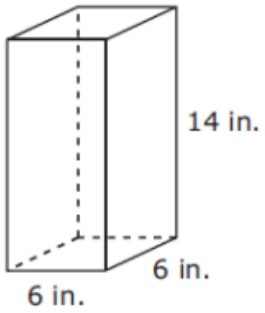
STAAR® Test	Grade 5 M	Item #	31	Content SE	5.4H	SE Type	Readiness
Administration	Spring 2016	Reporting Category	3	Process SE	5.1A, 5.1B, 5.1C, 5.1E, 5.1F	Unit (IFD)	08

31 Duane packed some books in a box shaped like a rectangular prism. The volume of the box is 168 cubic inches. Which model could represent Duane's box?

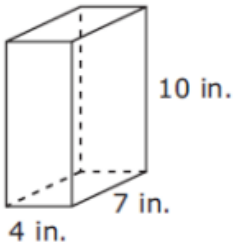
A



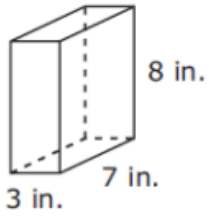
C



B



D



STAAR® Test	Grade 5 M	Sample Item #	14	Content SE	5.4H	SE Type	Readiness
Administration	Spring 2015	Reporting Category	3	Process SE	5.1B, 5.1C, 5.1F	Unit (IFD)	08

14 The base of a rectangular prism has a length of 15 inches and a width of 13 inches. What is the area of this base of the prism in square inches?

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

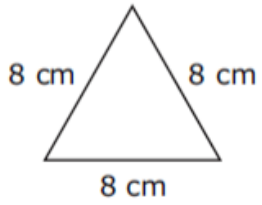
STAAR® Test	Grade 5 M	Item #	9	Content SE	5.5A	SE Type	Readiness
Administration	Spring 2018	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

9 This graphic organizer is being used to classify triangles based on their angle measures or side lengths.

Triangles

Angle Measure Classification			Side Length Classification		
Acute	Right	Obtuse	Isosceles	Equilateral	Scalene

Which list shows all of the ways this triangle could be classified?



A Acute only

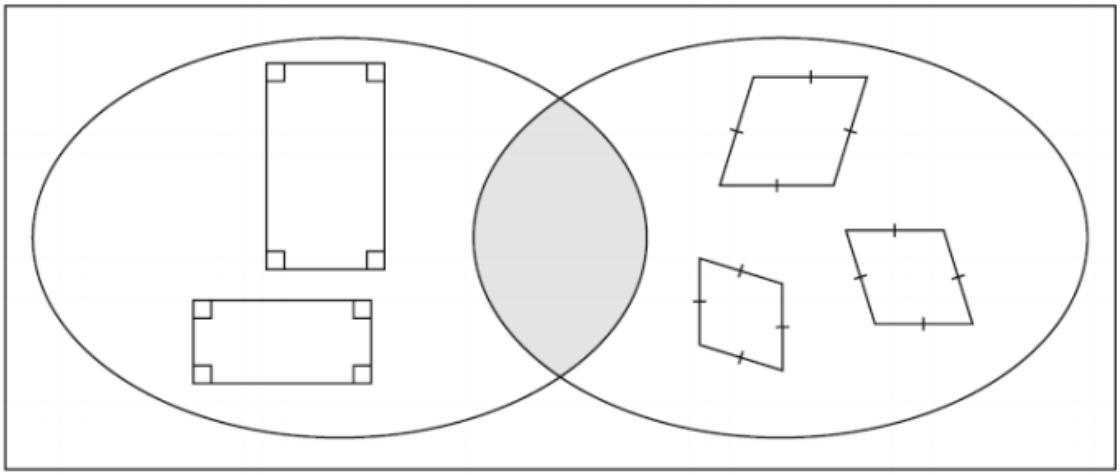
B Equilateral only

C Acute and isosceles only

D Acute, isosceles, and equilateral only

STAAR® Test	Grade 5 M	Item #	26	Content SE	5.5A	SE Type	Readiness
Administration	Spring 2018	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

26 This Venn diagram is being used to classify two types of quadrilaterals.



Which type of figure will always belong in the shaded section of this Venn diagram?

F Rectangle

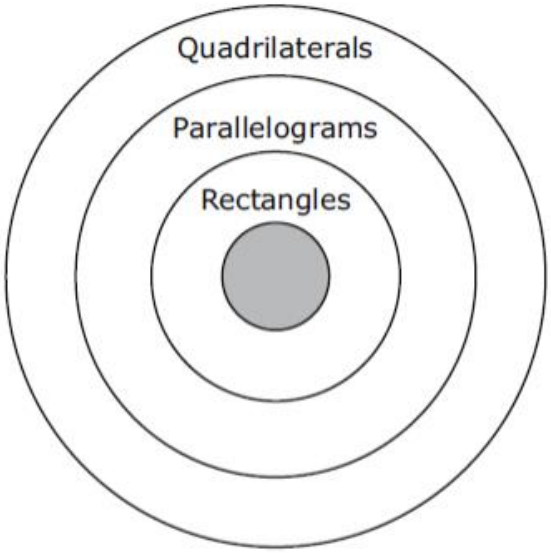
G Rhombus

H Square

J Trapezoid

STAAR® Test	Grade 5 M	Item #	15	Content SE	5.5A	SE Type	Readiness
Administration	Spring 2017	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

15 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

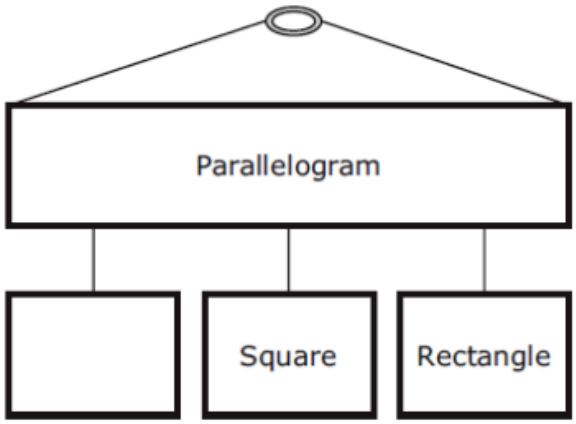
B Squares

C Pentagons

D Rhombuses

STAAR® Test	Grade 5 M	Item #	23	Content SE	5.5A	SE Type	Readiness
Administration	Spring 2017	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

23 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

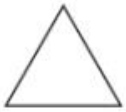
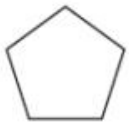
C Rhombus

D Triangle

STAAR® Test	Grade 5 M	Item #	28	Content SE	5.5A	SE Type	Readiness
Administration	Spring 2016	Reporting Category	3	Process SE	5.1A, 5.1B, 5.1E, 5.1F	Unit (IFD)	08

28 Rachel classified shapes based on the types of angles they had. The table shows her classifications.

Angle Types

Right Angles Only	Acute Angles Only	Obtuse Angles Only	Both Acute and Obtuse Angles
 Shape 1	 Shape 3	 Shape 5	 Shape 7
 Shape 2	 Shape 4	 Shape 6	 Shape 8

Which shape was **not** classified correctly?

F Shape 4

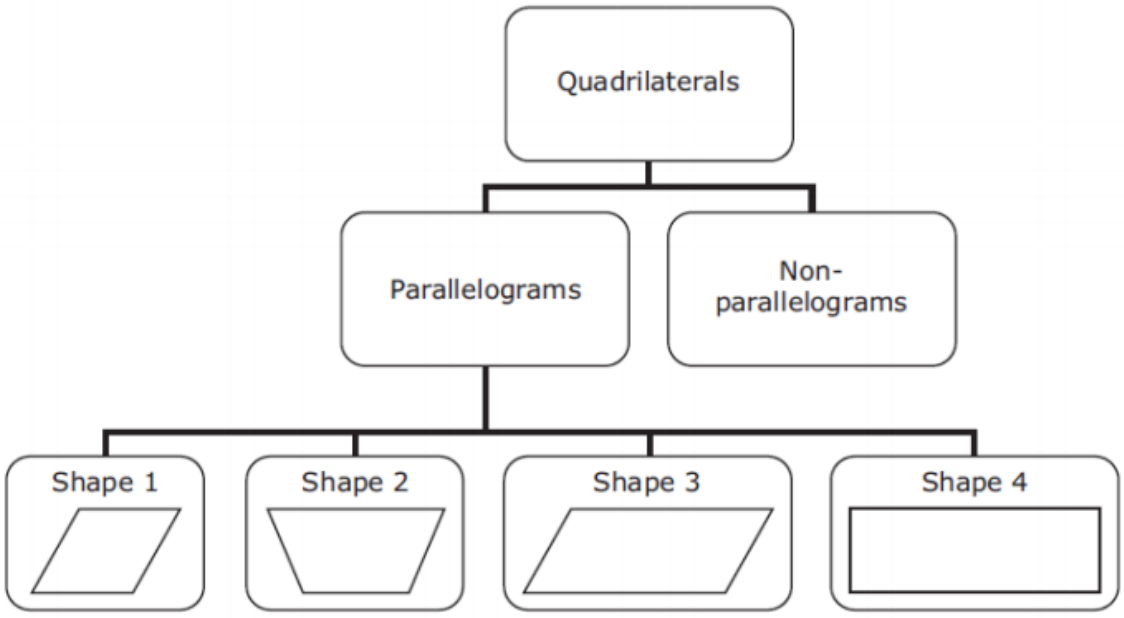
G Shape 5

H Shape 7

J Shape 8

STAAR® Test	Grade 5 M	Sample Item #	15	Content SE	5.5A	SE Type	Readiness
Administration	Spring 2015	Reporting Category	3	Process SE	5.1A, 5.1B, 5.1E, 5.1F	Unit (IFD)	08

15 Alex filled out a graphic organizer about polygons. Here is a section of his graphic organizer.



Which shapes appear to be classified correctly?

A Shapes 1 and 3 only

B Shapes 2 and 4

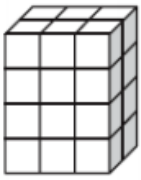
C Shapes 1, 2, and 3

D Shapes 1, 3, and 4

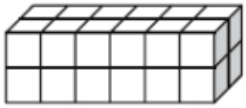
STAAR® Test	Grade 5 M	Item #	19	Content SE	5.6A	SE Type	Supporting
Administration	Spring 2018	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

19 A student builds some rectangular prisms using cubes that each have a volume of 1 cubic inch. Which rectangular prism has a volume of 12 cubic inches?

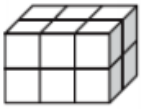
A



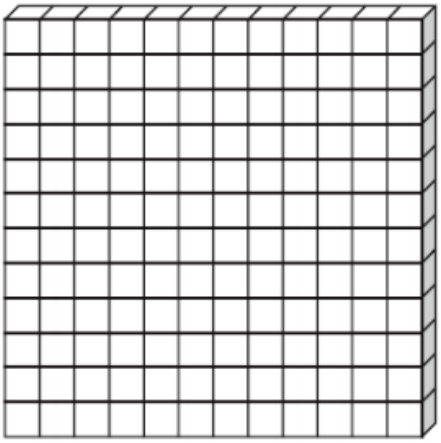
C



B

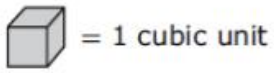


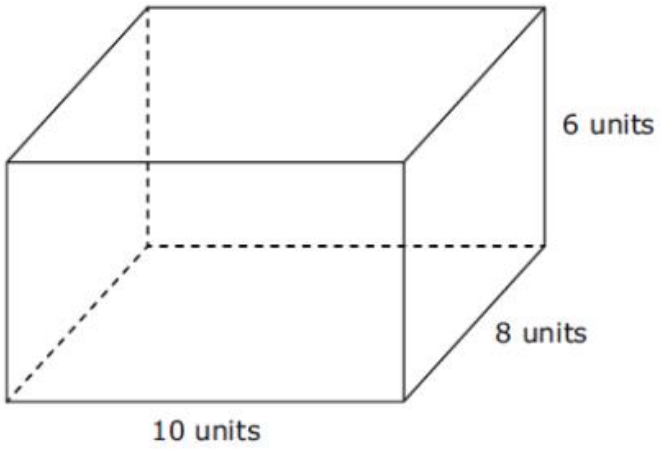
D



STAAR® Test	Grade 5 M	Item #	36	Content SE	5.6A	SE Type	Supporting
Administration	Spring 2017	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

36 The shaded cube has a volume of 1 cubic unit. Cubes like this one will be used to completely fill a rectangular prism that has the dimensions shown.





How many of these shaded cubes will be needed to completely fill the rectangular prism?

F 48

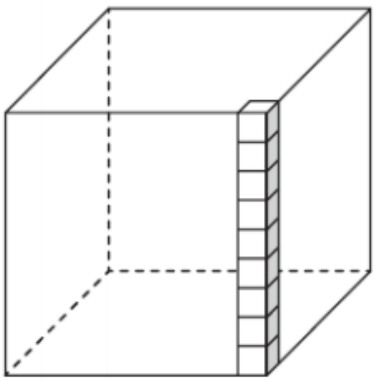
G 80

H 160

J Not here

STAAR® Test	Grade 5 M	Item #	3	Content SE	5.6A	SE Type	Supporting
Administration	Spring 2016	Reporting Category	3	Process SE	5.1A, 5.1B, 5.1C, 5.1E, 5.1F	Unit (IFD)	08

3 Rebekah is filling a cube-shaped box with small cubes. The volume of each of these cubes is 1 cubic centimeter. She has already put some of these cubes into the box, as shown in the model.



= 1 cubic centimeter

What is the total number of small cubes that will fit in the box?

A 729

B 81

C 36

D 27

STAAR® Test	Grade 5 M	Item #	24	Content SE	5.7A	SE Type	Supporting
Administration	Spring 2018	Reporting Category	3	Process SE	Not Reported	Unit (IFD)	08

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

F 348 in.

G 242 in.

H 338 in.

J 248 in.

STAAR® Test	Grade 5 M	Item #	7	Content SE	5.7A	SE Type	Supporting
Administration	Spring 2016	Reporting Category	3	Process SE	5.1A, 5.1B, 5.1C, 5.1F	Unit (IFD)	08

7 The lengths of two insects are given below.

- Ladybug: 10 millimeters
- Walking stick: 30 centimeters

What is the difference in length of these two insects in millimeters?

A 70 mm

B 20 mm

C 290 mm

D 2,990 mm

Targetted STAAR Release Items

2016 thru 2018

Category 4

TEKS (5.9A, 5.9B, 5.9C)

STAAR® Test	Grade 5 M	Item #	30	Content SE	5.9A	SE Type	Supporting
Administration	Spring 2017	Reporting Category	4	Process SE	Not Reported	Unit (IFD)	10

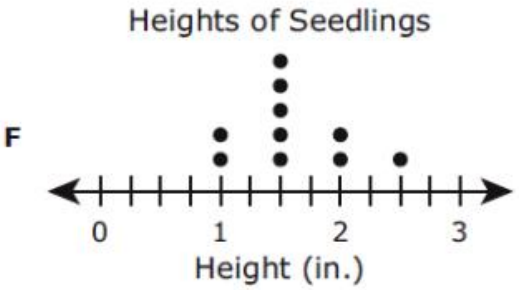
30 The table shows the heights of 10 seedlings.

Heights of Seedlings

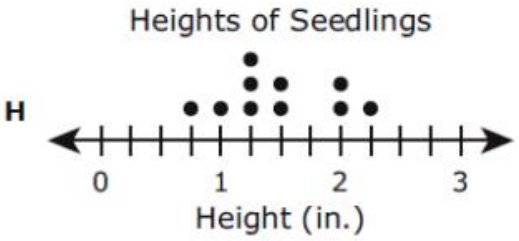
Seedling	A	B	C	D	E	F	G	H	I	J
Height (in.)	$1\frac{1}{4}$	2	$1\frac{1}{4}$	$1\frac{1}{2}$	$\frac{3}{4}$	$2\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	1	2

Which dot plot represents these data?

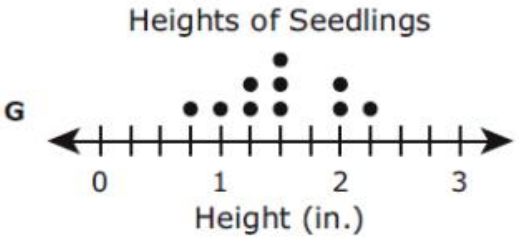
F



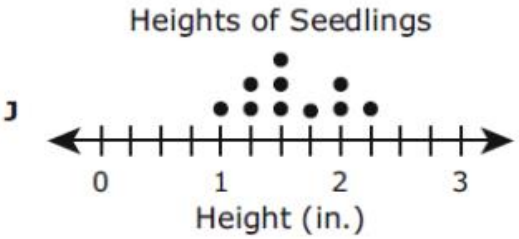
H



G



J



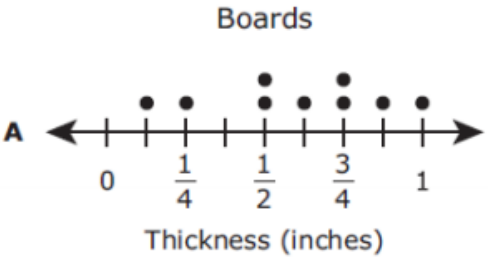
STAAR® Test	Grade 5 M	Sample Item #	17	Content SE	5.9A	SE Type	Supporting
Administration	Spring 2015	Reporting Category	4	Process SE	5.1A, 5.1B, 5.1D, 5.1F	Unit (IFD)	10

17 The thicknesses of the boards Dennis used for a construction project are listed below. These measurements are in inches.

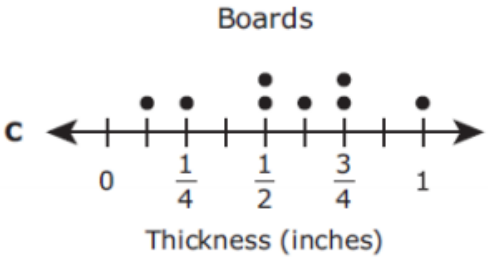
$$\frac{1}{4},\ \frac{3}{4},\ \frac{1}{2},\ \frac{3}{4},\ \frac{1}{8},\ 1,\ \frac{5}{8},\ \frac{3}{4},\ \frac{1}{2}$$

Which dot plot represents these measurements?

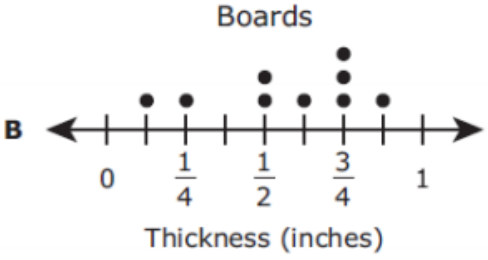
A



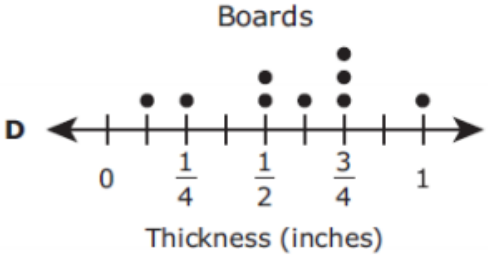
C



B



D



STAAR® Test	Grade 5 M	Item #	11	Content SE	5.9B	SE Type	Supporting
Administration	Spring 2016	Reporting Category	4	Process SE	5.1A, 5.1B, 5.1D, 5.1F	Unit (IFD)	10

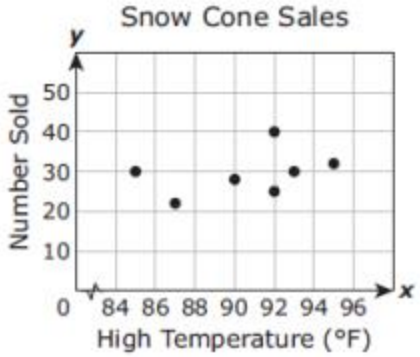
11 The table shows the high temperatures and the numbers of snow cones sold at a snack bar on seven days.

Snow Cone Sales

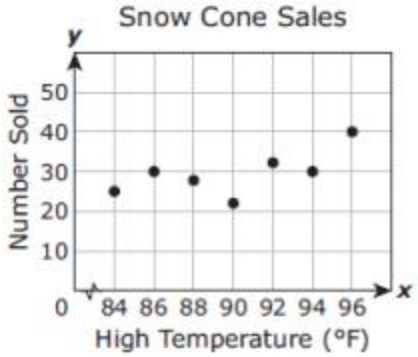
High Temperature (°F)	Number Sold
92	25
85	30
90	28
87	22
95	32
93	30
92	40

Which scatterplot best represents the data in the table?

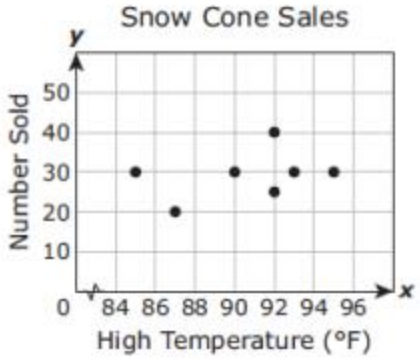
A



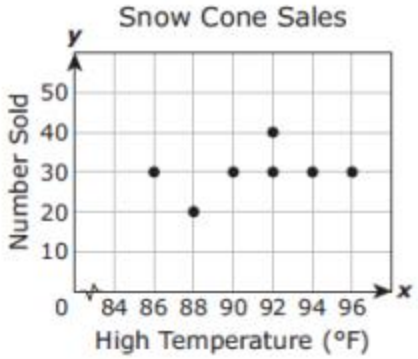
C



B



D



STAAR® Test	Grade 5 M	Sample Item #	18	Content SE	5.9B	SE Type	Supporting
Administration	Spring 2015	Reporting Category	4	Process SE	5.1A, 5.1B, 5.1D, 5.1F	Unit (IFD)	10

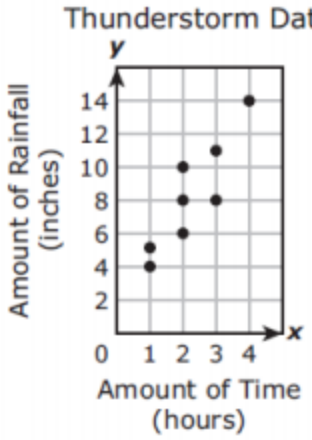
18 The table shows the amount of time eight thunderstorms lasted and the amount of rainfall each thunderstorm produced.

Thunderstorm Data

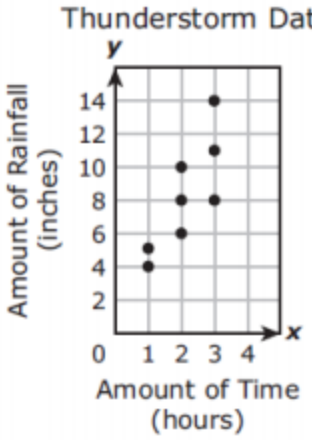
Amount of Time, x (hours)	1	2	3	2	1	4	3	2
Amount of Rainfall, y (inches)	5	8	11	6	4	14	8	10

Which scatterplot best represents the data?

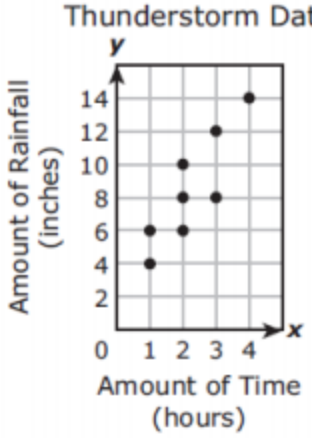
A



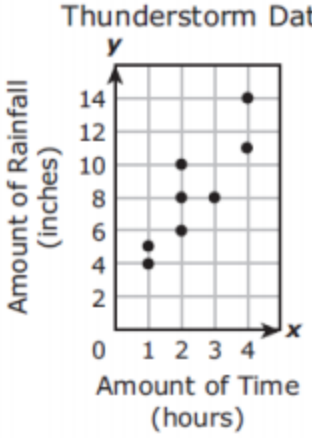
C



B

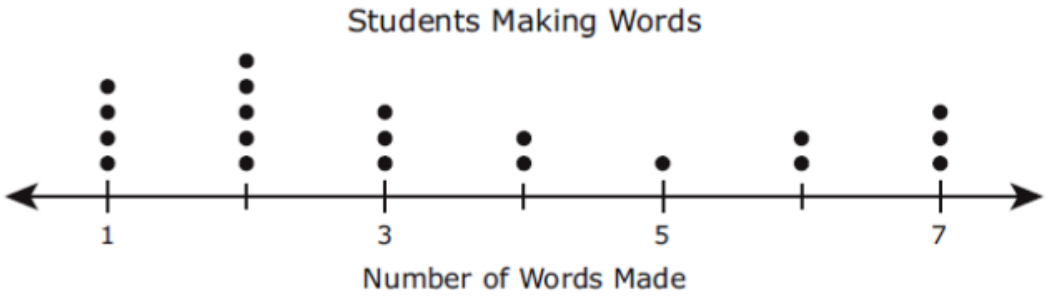


D



STAAR® Test	Grade 5 M	Item #	8	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2018	Reporting Category	4	Process SE	Not Reported	Unit (IFD)	10

8 The students in a class were each given a set of letters and asked to make words. The dot plot shows the numbers of students who made from 1 to 7 words.



What fraction of the students in the class made 5 or more words?

F $\frac{1}{20}$

G $\frac{1}{4}$

H $\frac{3}{10}$

J $\frac{3}{4}$

STAAR® Test	Grade 5 M	Item #	34	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2018	Reporting Category	4	Process SE	Not Reported	Unit (IFD)	10

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

Ryan's Math Scores

Stem	Leaf
7	9
8	2 2 3 6
9	0 1 3 4 7

9|1 means 91.

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

F 169

G 187

H 176

J Not here

STAAR® Test	Grade 5 M	Item #	7	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2017	Reporting Category	4	Process SE	Not Reported	Unit (IFD)	10

7 The stem and leaf plot shows the numbers of minutes the members of a team jumped rope during practice.

Practice Times

Stem	Leaf
1	9 9
2	0 1 3
3	3 4 6 7
4	1 1 3 5 9 9
5	0 4 2
6	3 5 6

3|6 means 36 minutes.

What is the difference between the least number of minutes jumped and the greatest number of minutes jumped?

A 47

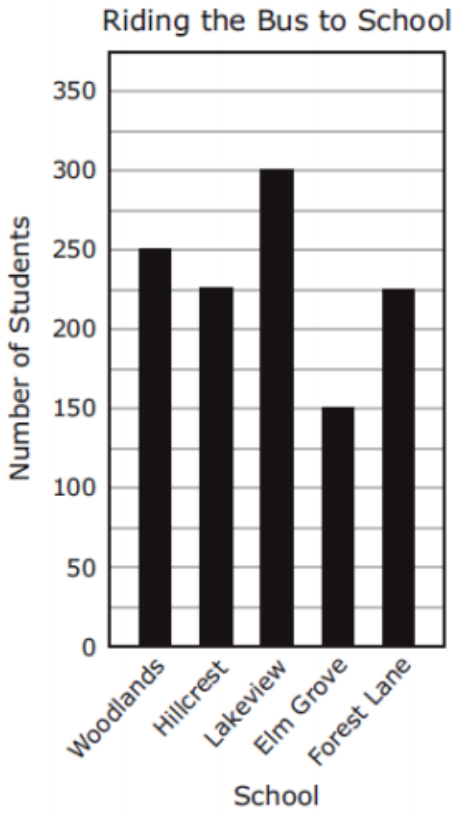
B 9

C 5

D 49

STAAR® Test	Grade 5 M	Item #	28	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2017	Reporting Category	4	Process SE	Not Reported	Unit (IFD)	10

28 The graph shows the number of students at five schools who ride the bus to school.



Based on the graph, how many students ride the bus to the Woodlands, Hillcrest, and Lakeview schools?

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

STAAR® Test	Grade 5 M	Item #	19	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2016	Reporting Category	4	Process SE	5.1A, 5.1B, 5.1E, 5.1F	Unit (IFD)	10

19 The stem and leaf plot shows the scores of eight people at a dance contest.

Dance Contest Scores

Stem	Leaf
6	8 9 9
7	5
8	2 7
9	5 7

6|8 means 6.8.

What is the difference between the highest score and the lowest score?

A 2.8

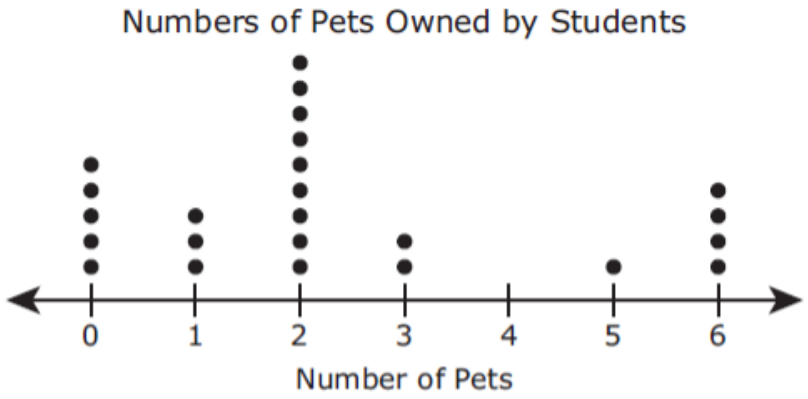
B 2.7

C 2.9

D 2.6

STAAR® Test	Grade 5 M	Item #	29	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2016	Reporting Category	4	Process SE	5.1A, 5.1B, 5.1E, 5.1F	Unit (IFD)	10

29 The dot plot shows the numbers of pets that the students in a class own.



What fraction of the students in this class have two or more pets?

A $\frac{1}{3}$

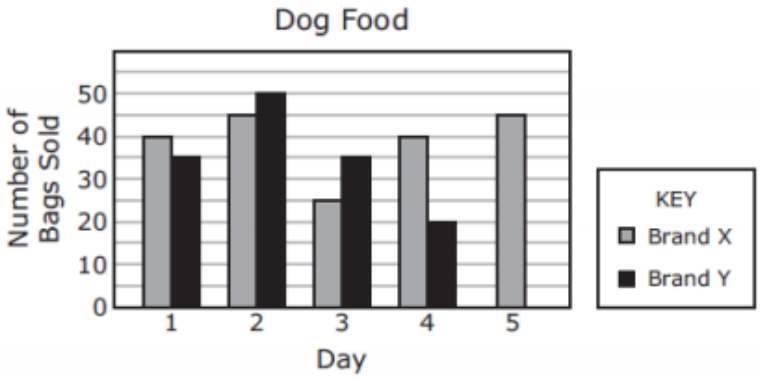
B $\frac{7}{24}$

C $\frac{2}{3}$

D $\frac{3}{8}$

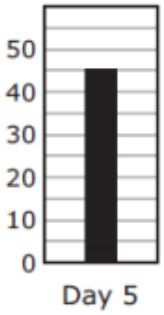
STAAR® Test	Grade 5 M	Item #	38	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2016	Reporting Category	4	Process SE	5.1A, 5.1B, 5.1E, 5.1F	Unit (IFD)	10

38 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.

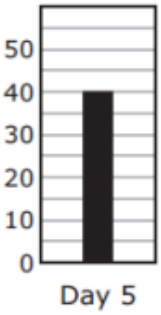


The number of bags of Brand Y dog food sold on these five days was 175. Which bar represents the data for Day 5 for Brand Y?

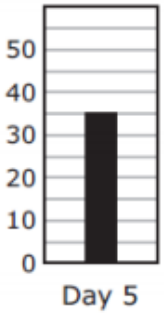
F



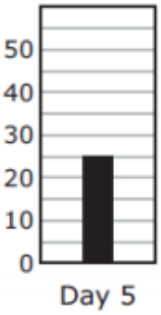
H



G



J



STAAR® Test	Grade 5 M	Sample Item #	19	Content SE	5.9C	SE Type	Readiness
Administration	Spring 2015	Reporting Category	4	Process SE	5.1A, 5.1B, 5.1E, 5.1F	Unit (IFD)	10

19 The frequency table shows the colors that fifth graders preferred for their school shirts.

Fifth-Grade Shirts

Color	Tally	Frequency
Red	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 II	32
Blue	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	35
Green	𝍸 𝍸 𝍸 𝍸 IIII	24
Orange	𝍸 𝍸 𝍸 III	18
Purple	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 III	38

Based on the data in the table, how many students preferred the three colors that had the highest frequencies?

A 38

B 91

C 147

D 105

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