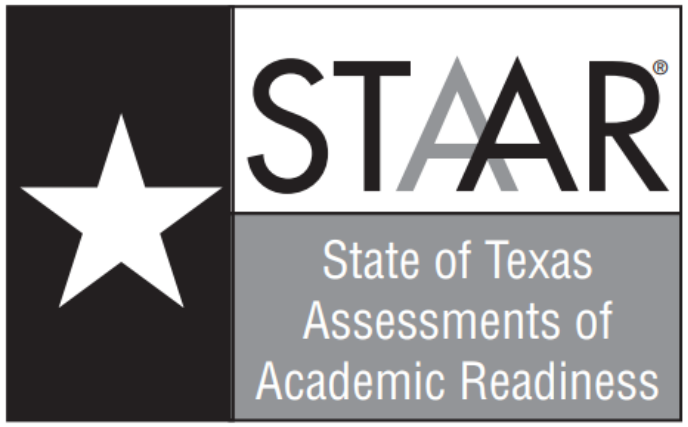
STAAR Items in A Box

Readiness Standard



Grade 3

Mathematics

Key Code:

A → F → W
B → G → X
C → H → Y
D → J → Z

Selected new item types at the end

STAAR 2016

3rd Grade Math
Readiness Standard
Category 1

3.2A # 13Y

Which expression represents the number 867?

A $80 + 60 + 70$

B $800 + 6 + 7$

C $500 + 300 + 50 + 10 + 7$

D $500 + 300 + 60 + 70$

STAAR 2016

3rd Grade Math
Readiness Standard
Category 1

3.2A # 27W

The sum of 8 ten thousands, 4 hundreds, and 9 tens can be expressed as what number in standard form?

A 80,490

B 8,490

C 849

D 80,049

STAAR 2019 (Multiselect)

3rd Grade Math
Readiness Standard
Category 1

3.2A # 27X

Which answer choice does NOT describe the number 7,140?

A The sum of seven thousands and fourteen tens

B The sum of seven thousands, one hundred, and forty tens

C The sum of seven thousands, one hundred, and four tens

D The sum of seven thousands, one hundred, and forty ones

STAAR 2018

3rd Grade Math
Readiness Standard
Category 1

3.2A # 21Z

The expanded notation of a number is shown.

$$(9 \times 10{,}000) + (4 \times 100) + (1 \times 10)$$

What is the standard form of this number?

A 9,410

B 94,010

C 90,401

D 90,410

The expanded form of a number is shown.

$$90{,}000 + 200 + 40 + 1$$

What is the standard form of this number?

F 9,241

G 92,041

H 90,241

J 90,421

STAAR 2021

3rd Grade Math
Readiness Standard
Category 1

3.2A #5

An expression is shown.

$$70 + 2 + 900$$

What number is equivalent to this expression?

STAAR 2015

3rd Grade Math
Readiness Standard
Category 2

3.2D # 4X

In which empty square would the number 1,677 make the comparison true?

A 1,749 > ☐ > 1,695

B 1,645 < ☐ < 1,684

C 1,805 > ☐ > 1,789

D 1,650 < ☐ < 1,675

STAAR 2016

3rd Grade Math
Readiness Standard
Category 1

3.2D # 7W

The table below shows the number of each kind of magazine sold in a store during one month.

Magazines Sold

Kind of Magazine	Number Sold
Fashion	1,728
News	1,723
Entertainment	2,114
Sports	2,186

Which list shows the kinds of magazines in order from greatest to least number sold?

A Sports, entertainment, fashion, news

B Fashion, sports, entertainment, news

C Sports, fashion, news, entertainment

D Fashion, news, entertainment, sports

STAAR 2016

3rd Grade Math
Readiness Standard
Category 1

3.2D # 38Z

The list shows three clues about a number.

- The number is greater than 85,629.
- The number is less than 88,231.
- The number has a digit greater than 6 in the hundreds place.

Which of these could be the number described?

F 88,165

G 85,625

H 88,930

J 87,720

STAAR 2018

3rd Grade Math
Readiness Standard
Category 1

3.2D # 31W

The table shows the weights of four elephants.

Elephant Weights

Elephant	Weight (pounds)
R	12,345
S	13,960
T	12,509
U	11,960

Which comparison of these weights is true?

A The weight of Elephant R $<$ the weight of Elephant T

B The weight of Elephant U $>$ the weight of Elephant T

C The weight of Elephant S $=$ the weight of Elephant U

D The weight of Elephant S $<$ the weight of Elephant T

STAAR 2019

3rd Grade Math
Readiness Standard
Category 1

3.2D # 1Y

Which list shows the numbers in order from greatest to least value?

A 38,945 9,052 9,181

B 6,912 29,013 34,987

C 58,702 50,716 581

D 6,092 60,019 5,005

STAAR 2021 (Multiselect)

3rd Grade Math
Readiness Standard
Category 1

3.2D # 32X

Which comparison is NOT true?

F $17{,}090 > 2{,}984$

G $34{,}162 < 3{,}986$

H $16{,}538 > 15{,}981$

J $2{,}438 < 3{,}438$

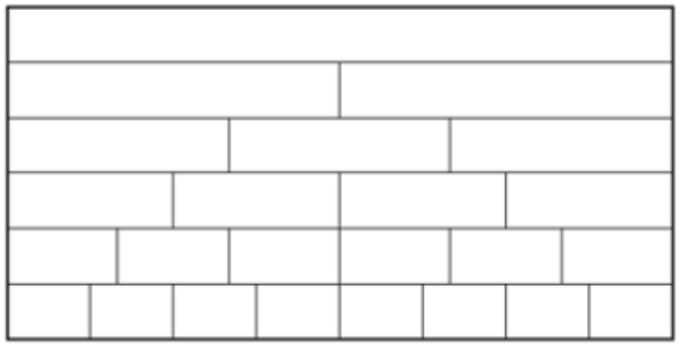
STAAR 2016

3rd Grade Math
Readiness Standard
Category 1

3.3F # 6W

Alyssa used fraction strips like the ones shown in the diagram in order to find equivalent fractions.

Fraction Strips



Which list shows only fractions that are equivalent to $\frac{1}{2}$?

A $\frac{2}{4}, \frac{3}{6}, \frac{4}{8}$

B $\frac{2}{4}, \frac{4}{6}, \frac{6}{8}$

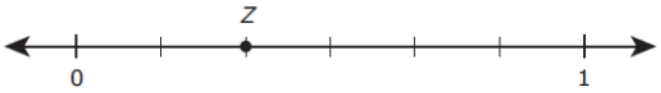
C $\frac{1}{4}, \frac{1}{6}, \frac{1}{8}$

D $\frac{2}{3}, \frac{3}{4}, \frac{5}{6}$

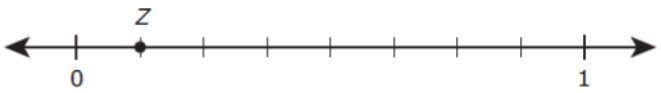
Point *X* on the number line represents a fraction.

On which number line does point *Z* represent a fraction equivalent to the one represented by point *X*?

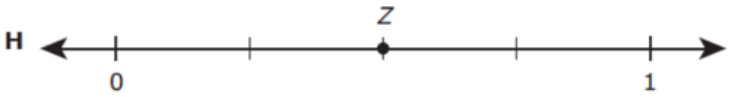
F



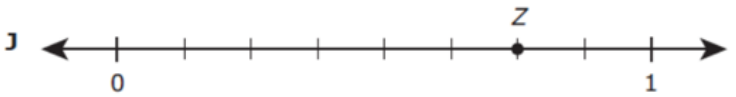
G



H



J



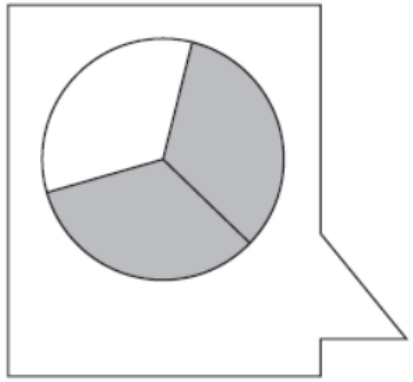
STAAR 2016

3rd Grade Math
Readiness Standard
Category 1

3.3F # 25Z

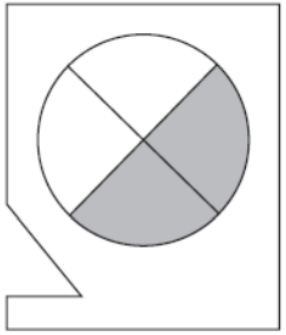
Nelson is playing a math game. He needs to match two cards that show equivalent shaded fractions.

Nelson's Card

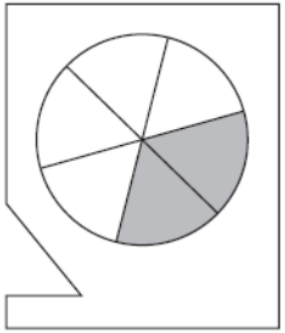


Which of these cards shows a fraction that is equivalent to the fraction on Nelson's card?

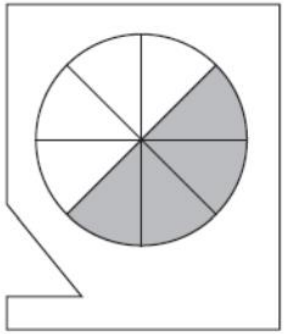
A



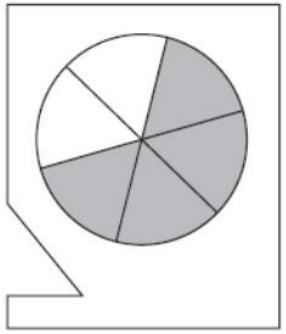
B



C



D



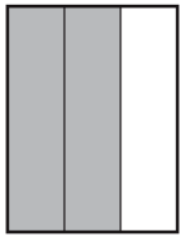
STAAR 2018

3rd Grade Math
Readiness Standard
Category 1

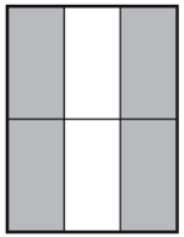
3.3F # 8W

Four fraction models are shown.

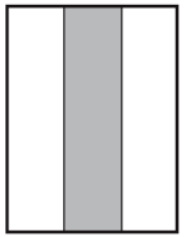
Model 1



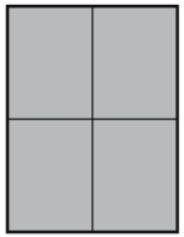
Model 2



Model 3



Model 4



Which two models are shaded to show equivalent fractions?

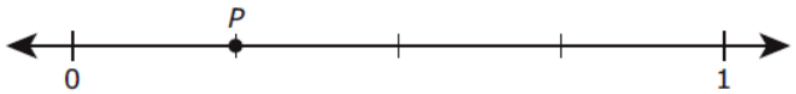
F Models 1 and 2

G Models 1 and 3

H Models 2 and 4

J Models 2 and 3

Point *P* on the number line represents two equivalent fractions.



Which two equivalent fractions can point *P* represent?

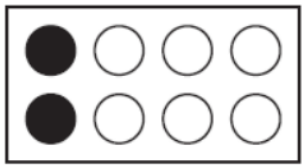
A $\frac{1}{4}$ and $\frac{1}{8}$

B $\frac{1}{3}$ and $\frac{2}{6}$

C $\frac{1}{4}$ and $\frac{2}{8}$

D $\frac{1}{4}$ and $\frac{3}{4}$

Irene has a group of counters, as shown.



Which two fractions can represent the black counters in the group?

A $\frac{2}{6}$ and $\frac{2}{8}$

B $\frac{1}{3}$ and $\frac{2}{6}$

C $\frac{1}{4}$ and $\frac{2}{8}$

D $\frac{1}{4}$ and $\frac{2}{4}$

Bailey and Dylan each had pies that were the same size. Bailey ate $\frac{1}{3}$ of his pie. Dylan ate $\frac{1}{4}$ of his pie. Which statement is true?

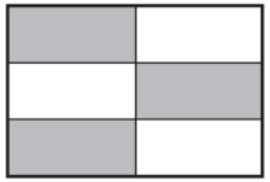
F The boys ate the same amount of pie, because both fractions have a numerator of 1.

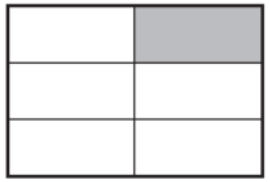
G Bailey ate more pie, because each slice of a pie cut into 3 equal parts is larger than each slice of a pie cut into 4 equal parts.

H Dylan ate more pie, because a denominator of 4 is larger than a denominator of 3.

J There is not enough information to determine who ate more pie.

Lily is painting two identical walls. The models are shaded to represent the fraction of each wall that is painted purple.





Which comparison of these fractions is true?

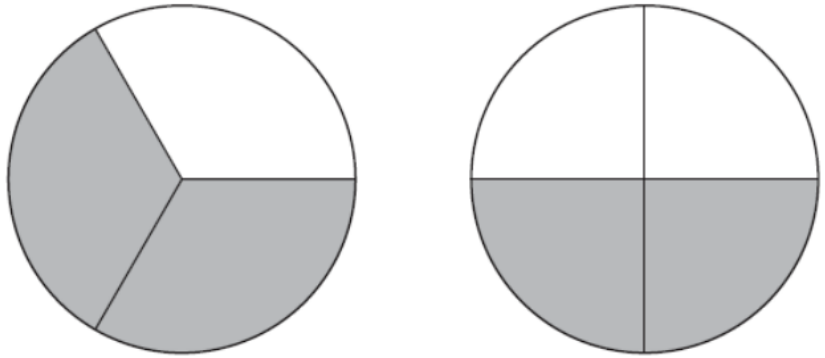
A $\frac{3}{6} = \frac{5}{6}$

B $\frac{3}{6} > \frac{1}{6}$

C $\frac{3}{6} > \frac{5}{6}$

D $\frac{3}{6} < \frac{1}{6}$

The models shown are the same size and are each divided into equal-size parts. The models are shaded to represent two fractions.



Which statement is true?

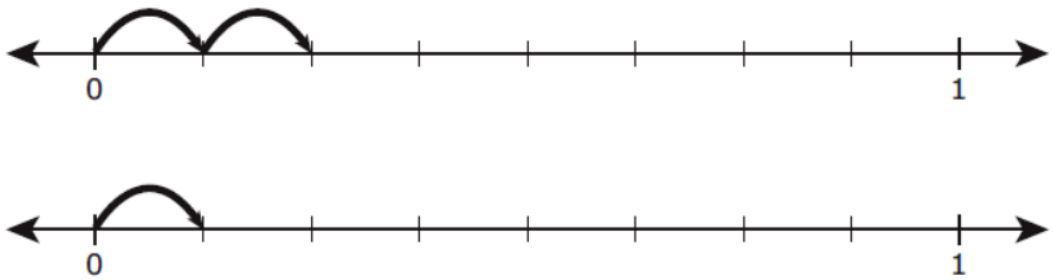
F $\frac{2}{3} > \frac{2}{4}$, because thirds are larger than fourths.

G $\frac{2}{3} = \frac{2}{4}$, because each model has 2 parts shaded.

H $\frac{1}{3} < \frac{1}{4}$, because 3 is less than 4.

J $\frac{1}{3} = \frac{1}{4}$, because each model shows 1 whole.

The number lines model two different fractions.



Which comparison of these fractions is true?

F $\frac{1}{2} > \frac{1}{1}$

G $\frac{2}{8} > \frac{1}{8}$

H $\frac{1}{8} = \frac{2}{8}$

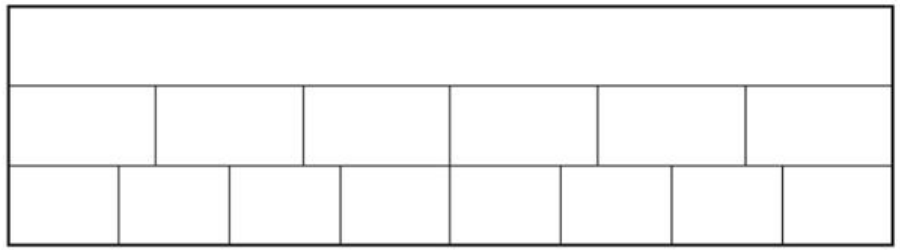
J $\frac{2}{8} < \frac{1}{8}$

STAAR 2019

3rd Grade Math
Readiness Standard
Category 1

3.3H # 13Z

Fraction strips are shown.



Which comparison and explanation are true?

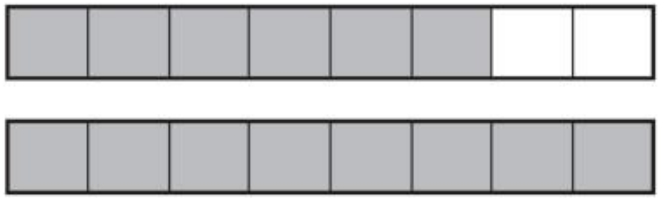
A $\frac{5}{6} < \frac{5}{8}$, because eighths are larger than sixths

B $\frac{5}{6} < \frac{5}{8}$, because sixths are larger than eighths

C $\frac{5}{6} > \frac{5}{8}$, because eighths are larger than sixths

D $\frac{5}{6} > \frac{5}{8}$, because sixths are larger than eighths

The models shown are the same size. Each model is divided into equal-size parts and is shaded to represent a fraction.



Which statement is true?

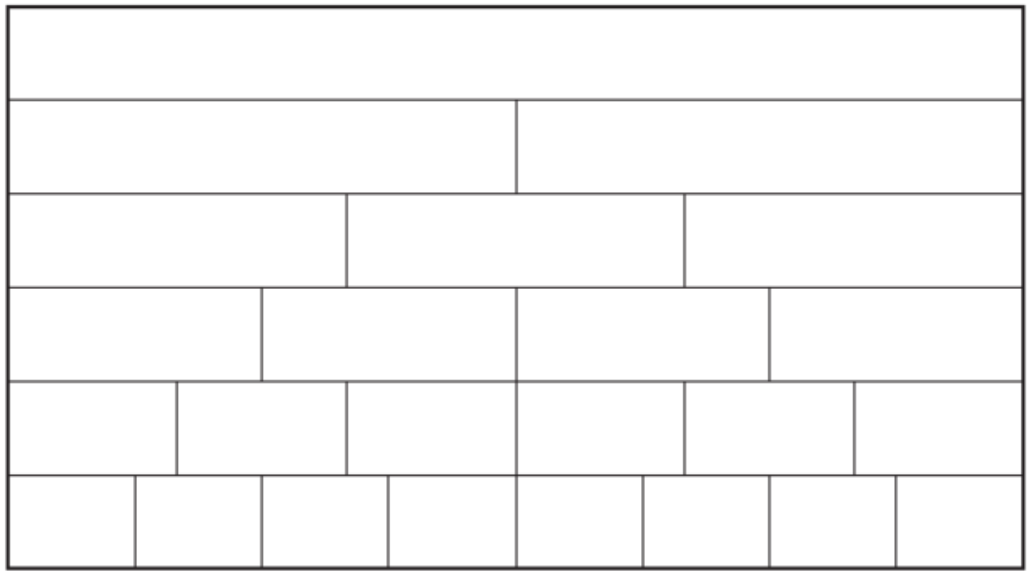
F $\frac{6}{8} < \frac{8}{8}$, because sixths are smaller parts than eighths

G $\frac{6}{8} < \frac{8}{8}$, because 6 out of 8 parts is less than 8 out of 8 parts

H $\frac{6}{8} > \frac{8}{8}$, because sixths are larger parts than eighths

J $\frac{6}{8} > \frac{8}{8}$, because 6 out of 8 parts is greater than 8 out of 8 parts

Fraction strips are shown.



Which comparison is true?

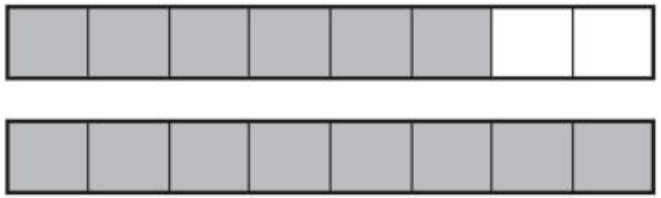
A $\frac{1}{6} < \frac{1}{4}$

B $\frac{1}{3} < \frac{1}{8}$

C $\frac{1}{4} > \frac{1}{2}$

D $\frac{1}{8} = \frac{2}{8}$

The models shown are the same size. Each model is divided into equal-size parts and is shaded to represent a fraction.



Which statement is true?

F $\frac{6}{8} < \frac{8}{8}$, because sixths are smaller parts than eighths

G $\frac{6}{8} < \frac{8}{8}$, because 6 out of 8 parts is less than 8 out of 8 parts

H $\frac{6}{8} > \frac{8}{8}$, because sixths are larger parts than eighths

J $\frac{6}{8} > \frac{8}{8}$, because 6 out of 8 parts is greater than 8 out of 8 parts

Ms. Elizondo shipped yogurt cups to stores on Monday.

- She shipped 648 cups of strawberry yogurt.
- She shipped 216 cups of peach yogurt.
- She shipped 264 cups of vanilla yogurt.

How many more cups of strawberry yogurt did Ms. Elizondo ship than cups of peach and vanilla yogurt combined?

A 168

B 480

C 248

D 178

Wanda traveled on an airplane three times last year.

- In January she traveled 278 miles.
- In April she traveled 652 miles.
- In September she traveled 767 miles.

How many more miles did Wanda travel in January and April combined than she traveled in September?

F 930 mi

G 147 mi

H 163 mi

J 237 mi

STAAR 2016

3rd Grade Math
Readiness Standard
Category 2

3.4A # 35

Adyssen started with $87 in her bank account. She put $213 into her account last week and another $137 this week. What is the total amount Adyssen now has in her bank account?

Mr. Thompson sold 247 meals on Tuesday at his restaurant. He sold 516 meals on Wednesday. What is the difference between the numbers of meals Mr. Thompson sold on these two days?

F 763

G 331

H 379

J 269

The table shows the numbers of puzzle pieces in four puzzles. Derek put together the two puzzles that had the greatest numbers of pieces.

Puzzle Pieces

Puzzle	Number of Pieces
Lion	402
Boat	498
Garden	419
Waterfall	473

What is the total number of pieces in these two puzzles?

A 961

B 900

C 861

D Not here

Elisha listed the amounts she paid for guitar lessons for three months.

- February: $78
- March: $90
- April: $156

What is the amount Elisha paid for guitar lessons for these three months?

A $314

B $324

C $114

D $325

STAAR 2018

3rd Grade Math
Readiness Standard
Category 2

3.4A #14

There are 297 peach trees on a farm. There are 615 peach trees on a different farm. What is the difference between the numbers of peach trees on these farms?

Roger has two boxes of nails. One box has 438 nails, and the other box has 375 nails.

How many nails does Roger have in these two boxes?

A 813

B 703

C 814

D 713

STAAR 2019

3rd Grade Math
Readiness Standard
Category 2

3.4A #24

Samantha, Gordon, and Diego each brought an ice chest to a picnic.

- The weight of Samantha's ice chest was 83 pounds.
- The weight of Gordon's ice chest was 28 pounds.
- The weight of Diego's ice chest was 37 pounds.

What was the difference in pounds between the weight of Samantha's ice chest and the combined weight of Gordon's and Diego's ice chests?

A theater sold tickets for three movies. The table shows the number of tickets sold for each movie.

Movie Tickets Sold

Movie	1	2	3
Number of Tickets	143	158	175

What was the total number of tickets the theater sold for these three movies?

A 476

B 366

C 376

D 473

There are two lions at a zoo. The weight of the younger lion is 379 pounds. The weight of the older lion is 514 pounds.

What is the difference in pounds between these two weights?

F 235 lb

G 135 lb

H 265 lb

J 145 lb

There are two different vegetables in a garden.

- There are 5 rows that have 16 carrot plants in each row.
- There are 72 spinach plants.

How many vegetable plants are there in the garden?

A 152

B 88

C 93

D 122

Ms. Losoya has 72 index cards. She will arrange the cards in 6 equal stacks. How many index cards will be in each stack?

A 12

B 9

C 78

D 66

STAAR 2018

3rd Grade Math
Readiness Standard
Category 2

3.4K # 16W

A group of 64 children and 24 adults will travel to a zoo in vans. There will be 8 people in each van.

How many vans will be needed to take the group to the zoo?

F 11

G 80

H 8

J 5

There are 3 basketball teams practicing together in a gym.

- Each team has 10 players.
- All of the players are used to make 6 groups during the practice.
- There is an equal number of players in each group.

How many players are in each group?

F 180

G 6

H 24

J 5

Gerardo bought 3 packages of mint gum and 2 packages of bubble gum. Each package had 8 pieces of gum.

How many pieces of gum did Gerardo buy?

F 26

G 40

H 12

J 48

Hector played a game 14 times. Each time he played, he threw 4 red balls and 3 green balls at a target.

What was the total number of balls Hector threw at the target?

A 21

B 68

C 98

D 46

STAAR 2021

3rd Grade Math
Readiness Standard
Category 2

3.4K # 10Z

Miriam had 63 flowers and 9 vases.

- She threw away 9 flowers that had broken stems.
- She put an equal number of all the flowers she had left into each vase.

What is the greatest number of flowers Miriam put into each vase?

F 2

G 7

H 8

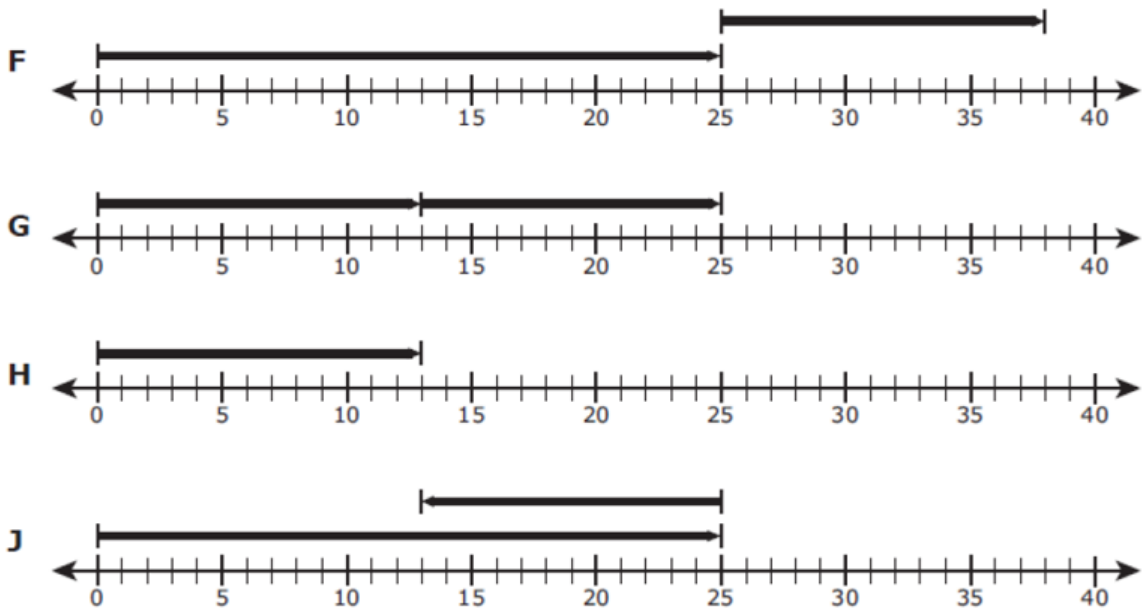
J 6

STAAR 2016

3rd Grade Math
Readiness Standard
Category 2

3.5A # 28Z

There were 25 people in a library. Some people left the library and went home. Then there were 13 people remaining in the library. Which number line represents one way to determine the number of people who left the library?



Rita had two boxes of ribbons.

- She had 37 large ribbons in the first box.
- She had 56 small ribbons in the second box.
- She gave 28 of the large ribbons to her sister.

Which number sentence can be used to find the number of ribbons Rita had left in the two boxes?

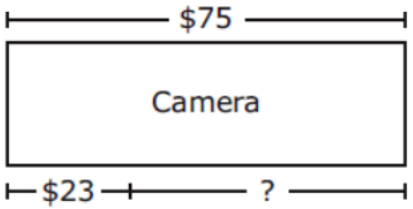
F $56 + 28 + 37 =$ ☐

G $37 - 28 + 56 =$ ☐

H $37 + 28 - 56 =$ ☐

J $56 + 28 - 37 =$ ☐

Timothy wants to buy a camera that costs $75. He has saved $23, as shown in the model.



Which equation can be used to find how much more money Timothy needs in order to buy the camera?

F $\$75 + \$52 = \square$

G $\$75 + \$23 = \square$

H $\$75 - \$23 = \square$

J $\$52 - \$23 = \square$

STAAR 2018

3rd Grade Math
Readiness Standard
Category 2

3.5A # 30X

There are a total of 294 restaurants in a city.

- Of these restaurants, 196 are along the highways, and 49 are downtown.
- The rest of the restaurants are in shopping malls.

Which model can be used to find the number of restaurants in the city that are in shopping malls?

F

?		
294	196	49

G

294		
196	49	?

H

196		
294	49	?

J

49		
294	196	?

Tyrese had 572 baseball cards. He sold some of the baseball cards and then had 98 baseball cards left.

Which equation could NOT be used to find the number of baseball cards Tyrese sold?

F $572 - \square = 98$

G $572 - 98 = \square$

H $98 + \square = 572$

J $98 + 572 = \square$

Freddie had $256 in his bank account.

- On Monday he put $50 more into his account.
- On Tuesday he took out $87 to buy a bicycle.

Which equation can be used to find the amount of money Freddie had in his bank account after he took out money on Tuesday?

A $256 - 50 - 87 = \square$

B $256 + 50 + 87 = \square$

C $250 - 50 + 87 = \square$

D $256 + 50 - 87 = \square$

STAAR 2021

3rd Grade Math
Readiness Standard
Category 2

3.5A # 22Z

A cafeteria sold a total of 513 drinks on Wednesday. The table shows the number of each type of drink that was sold. The number of bottles of milk is missing from the table.

Drinks Sold

Type of Drink	Number Sold
Bottles of apple juice	172
Bottles of milk	?
Bottles of water	263

Which set of equations can be used to find the number of bottles of milk sold?

F $172 + 263 = 435$
$513 + 435 = \square$

G $263 - 172 = 91$
$513 - 91 = \square$

H $513 - 172 = 341$
$341 + 263 = \square$

J $172 + 263 = 435$
$513 - 435 = \square$

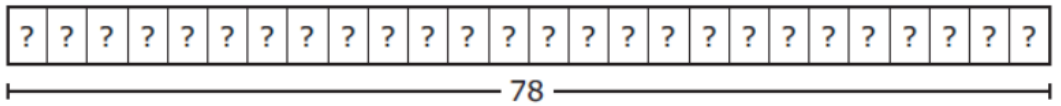
STAAR 2016

3rd Grade Math
Readiness Standard
Category 2

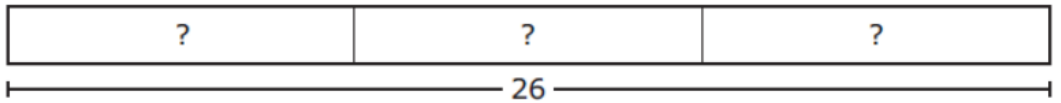
3.5B # 14W

Edward made 26 hamburgers. He used a total of 78 pickle slices on the hamburgers. He put the same number of pickle slices on each hamburger. Which diagram shows how to find the number of pickle slices Edward put on each hamburger?

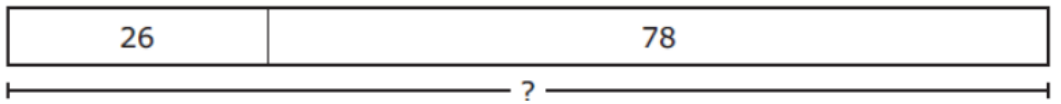
F



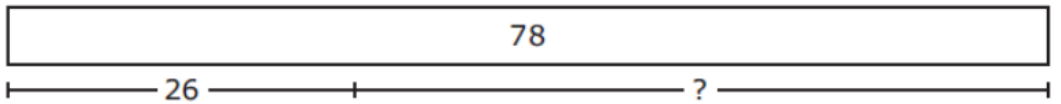
G



H



J



To make posters, 6 students each collected 8 pictures of animals. The students put 4 animal pictures on each poster they made. Which equation shows one way to find the number of posters the students made?

F $6 + 8 + 4 = 18$

G $6 \times 8 \div 4 = 12$

H $6 \times 8 \times 4 = 192$

J $6 + 8 - 4 = 10$

A band plays 8 songs at every show. Last year the band had 8 shows.

Which model can be used to find the number of songs the band played at shows last year?

F

H

G

J

STAAR 2019

3rd Grade Math
Readiness Standard
Category 2

3.5B # 12X

Stacy used 21 feet of ribbon to make bows. She used 3 feet of ribbon for each bow.

Which equation can be used to find the number of bows Stacy made with this ribbon?

F $21 \times 3 = 63$

G $21 \div 3 = 7$

H $21 + 3 = 24$

J $21 - 3 = 18$

STAAR 2019

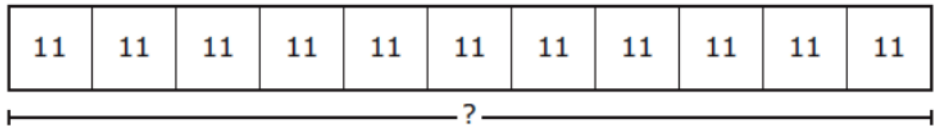
3rd Grade Math
Readiness Standard
Category 2

3.5B # 32Z

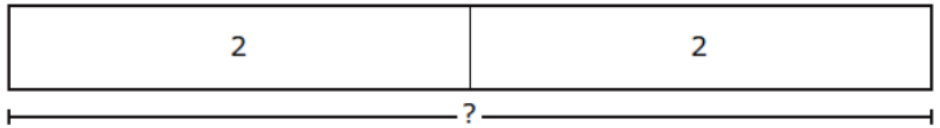
Yolanda made 11 sandwiches for a picnic. She used 2 pieces of bread for each sandwich.

Which strip diagram can be used to find the number of pieces of bread Yolanda used?

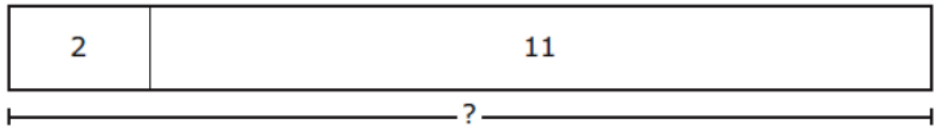
F



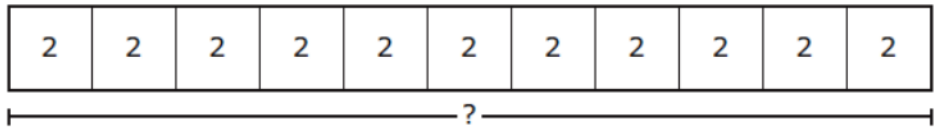
G



H



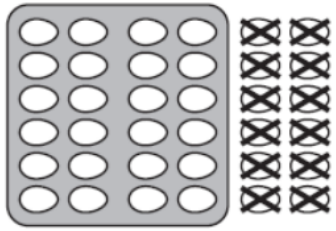
J



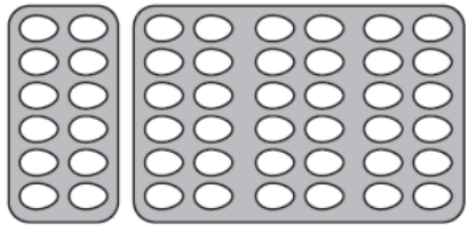
Victor bought 36 eggs at a grocery store. The eggs were in cartons with 12 eggs in each carton.

Which model best represents the number of cartons of eggs Victor bought?

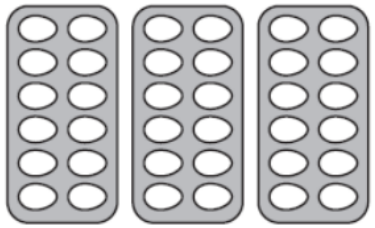
A



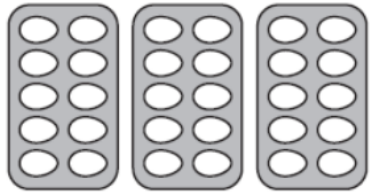
C



B



D



Cassandra used all the balloons in 11 packages to decorate for a party.

- There were 6 balloons in each package.
- Half of the balloons in each package were red.

Which equation can be used to find the total number of red balloons Cassandra used?

A $11 \times 6 - 3 = 63$

B $11 \times 6 \div 2 = 33$

C $11 - 6 + 2 = 7$

D $11 \times 6 \div 3 = 22$

STAAR 2016

3rd Grade Math
Readiness Standard
Category 2

3.5E # 12Y

Campers at a lake rented 18 more canoes than paddleboats each week during five weeks. Which table could show the numbers of canoes and paddleboats rented during these five weeks?

F

Canoes and Paddleboats

Number of Canoes	Number of Paddleboats
72	90
37	55
61	79
85	103
68	86

G

Canoes and Paddleboats

Number of Canoes	Number of Paddleboats
72	54
37	72
61	90
85	108
68	126

H

Canoes and Paddleboats

Number of Canoes	Number of Paddleboats
72	54
37	19
61	43
85	67
68	50

J

Canoes and Paddleboats

Number of Canoes	Number of Paddleboats
72	18
37	36
61	54
85	72
68	90

STAAR 2016

3rd Grade Math
Readiness Standard
Category 2

3.5E # 30Y

There are 8 socks in each package sold at a shoe store. Which table shows the number of socks in different numbers of these packages?

F

Packages of Socks

Number of Packages	5	8	10	11
Number of Socks	40	48	56	64

G

Packages of Socks

Number of Packages	5	8	10	11
Number of Socks	40	64	88	112

H

Packages of Socks

Number of Packages	5	8	10	11
Number of Socks	40	64	80	88

J

Packages of Socks

Number of Packages	5	8	10	11
Number of Socks	40	80	120	160

The table shows the numbers of flowers of different colors in four vases.

Flowers in Vases

Vase	Yellow	Red
Q	9	3
R	15	5
S	21	7
T	27	9

Based on the relationship shown in the table, which statement is true?

F There are 3 times as many yellow flowers as red flowers in each vase.

G There are 9 times as many yellow flowers as red flowers in each vase.

H There are 6 times as many yellow flowers as red flowers in each vase.

J There are 11 times as many yellow flowers as red flowers in each vase.

STAAR 2018

3rd Grade Math
Readiness Standard
Category 2

3.5E # 7W

The table shows the relationship between the number of toy airplanes made in a factory and the number of batteries needed for the airplanes.

Batteries for Toy Airplanes

Number of Toy Airplanes	5	7	9	11	13	15
Number of Batteries	15	21	27	33	39	45

Based on the relationship shown in the table, which statement is true?

A The number of batteries is equal to the number of toy airplanes times 3.

B The number of batteries is equal to the number of toy airplanes times 2.

C The number of batteries is equal to the number of toy airplanes times 6.

D The number of batteries is equal to the number of toy airplanes times 5.

STAAR 2018

3rd Grade Math
Readiness Standard
Category 2

3.5E # 18X

A store is having a sale on books. The sale price of each book is $6 less than the regular price. Which table shows prices of different books at this store?

F

Book Sale

Regular Price	$12	$19	$26	$33
Sale Price	$18	$25	$32	$39

G

Book Sale

Regular Price	$18	$25	$32	$39
Sale Price	$12	$19	$26	$33

H

Book Sale

Regular Price	$36	$30	$24	$18
Sale Price	$34	$28	$22	$16

J

Book Sale

Regular Price	$36	$30	$24	$18
Sale Price	$6	$5	$4	$3

STAAR 2019

3rd Grade Math
Readiness Standard
Category 2

3.5E # 10X

There are 8 oranges in each bag for sale at a store. Which table shows the relationship between the number of bags and the number of oranges in the bags?

F

Oranges

Number of Bags	Number of Oranges
2	8
3	16
4	24
5	32

G

Oranges

Number of Bags	Number of Oranges
2	16
3	24
4	32
5	40

H

Oranges

Number of Bags	Number of Oranges
2	10
3	11
4	12
5	13

J

Oranges

Number of Bags	Number of Oranges
2	16
3	32
4	64
5	128

Four people at a snack bar each bought a drink. The table shows the amount of money each person gave the cashier and the amount of money each person got back in change.

Snack-Bar Drinks

Name	Amount Given to Cashier (cents)	Amount of Change (cents)
Caleb	55	3
Andrew	60	8
Morgan	75	23
Trish	100	48

Based on the relationship shown in the table, which statement is true?

A A drink at the snack bar costs 52 cents, because the amount given to the cashier minus 52 equals the amount of change.

B A drink at the snack bar costs 52 cents, because the amount given to the cashier plus 52 equals the amount of change.

C A drink at the snack bar costs 48 cents, because the amount given to the cashier minus 48 equals the amount of change.

D A drink at the snack bar costs 48 cents, because the amount given to the cashier plus 48 equals the amount of change.

The table shows the numbers of baseball cards in different numbers of packages.

Baseball Cards

Number of Packages	Number of Baseball Cards
2	22
3	33
4	44
5	55

Based on the relationship shown in the table, which statement is true?

A The number of packages times 1 equals the number of baseball cards.

B The number of packages plus 1 equals the number of baseball cards.

C The number of packages plus 11 equals the number of baseball cards.

D The number of packages times 11 equals the number of baseball cards.

Each day a bakery makes cookies and muffins. The number of cookies the bakery makes is always 12 more than the number of muffins it makes.

Which table shows the relationship between the number of muffins and the number of cookies this bakery makes?

A

Bakery Muffins and Cookies

Number of Muffins	6	18	30	42
Number of Cookies	12	24	36	48

B

Bakery Muffins and Cookies

Number of Muffins	24	36	48	60
Number of Cookies	12	24	36	48

C

Bakery Muffins and Cookies

Number of Muffins	1	2	2	4
Number of Cookies	12	24	36	48

D

Bakery Muffins and Cookies

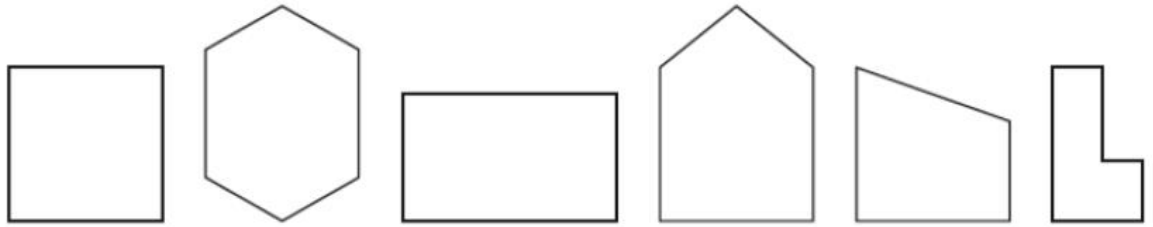
Number of Muffins	12	24	36	48
Number of Cookies	24	36	48	60

STAAR 2015

3rd Grade Math
Readiness Standard
Category 3

3.6A # 17Z

The figures shown can be sorted into groups.



Which of these shows a correct way to group these figures?

A 3 rectangles and 3 hexagons

B 2 hexagons and 4 quadrilaterals

C 2 hexagons, 2 pentagons, and 2 rectangles

D 1 pentagon, 2 hexagons, and 3 quadrilaterals

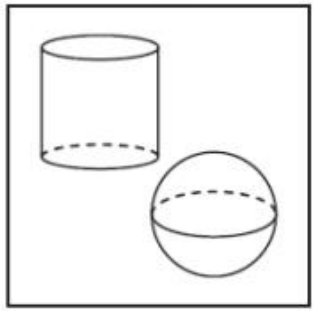
STAAR 2016

3rd Grade Math
Readiness Standard
Category 3

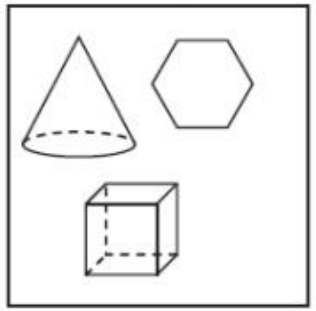
3.6A # 34W

Sofía separated some figures into two sets. The figures in Set A have a common characteristic. The figures in Set B do not have the characteristic.

Set A



Set B



Which of these is the best description of the common characteristic of the figures in Set A?

F They have no vertices.

G They have at least one circular base.

H They have at least one edge.

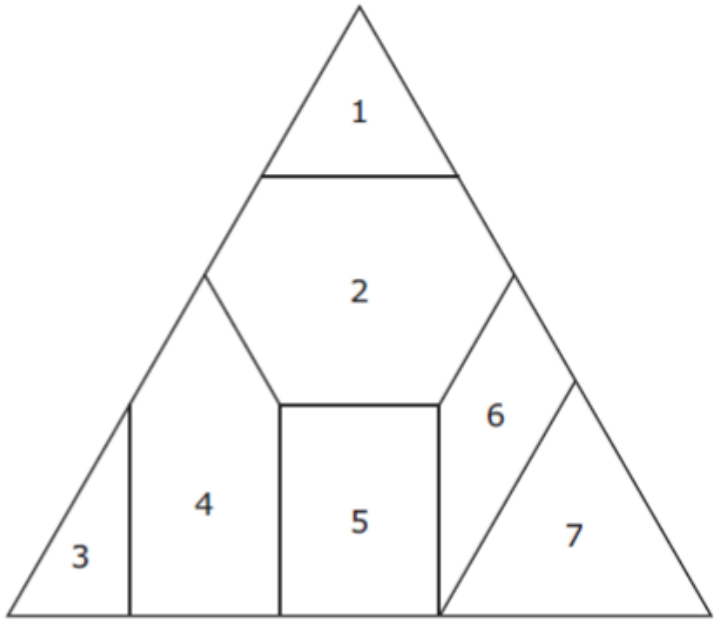
J They have faces that are polygons.

STAAR 2016

3rd Grade Math
Readiness Standard
Category 3

3.6A # 20Z

A figure is divided into 7 sections, as shown below.



Which 2 sections are quadrilaterals?

F Sections 4 and 5

G Sections 2 and 4

H Sections 1 and 3

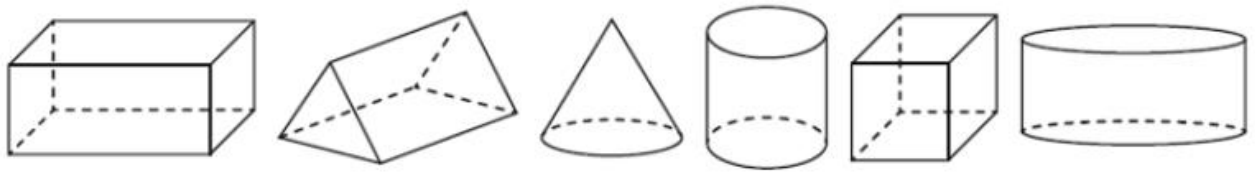
J Sections 5 and 6

STAAR 2018

3rd Grade Math
Readiness Standard
Category 3

3.6A # 9X

The figures shown can be sorted into groups.



Which list shows a correct way to group the figures?

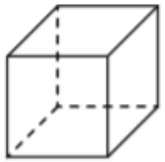
A 2 prisms, 1 cone, 2 cylinders, and 1 pyramid

B 3 prisms, 1 cone, and 2 cylinders

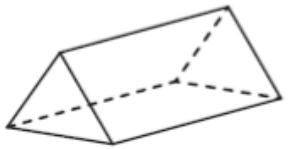
C 2 prisms, 2 cylinders, 1 sphere, and 1 cube

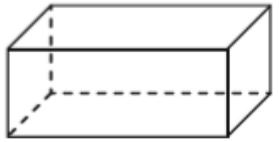
D 3 prisms, 1 cylinder, and 2 cones

Which figure CANNOT be classified as a prism?

A 

C 

B 

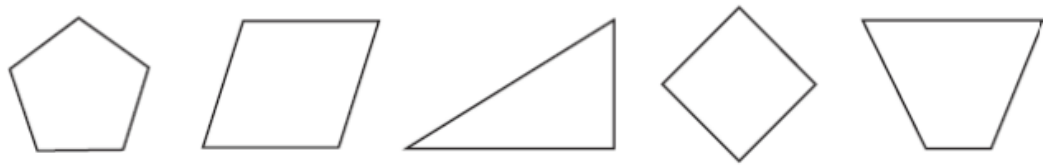
D 

STAAR 2019

3rd Grade Math
Readiness Standard
Category 3

3.6A # 30W

The figures shown can be sorted into groups.



Which list shows a correct way to group these figures?

F 1 triangle, 3 quadrilaterals, and 1 pentagon

G 1 triangle and 4 quadrilaterals

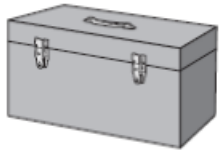
H 1 triangle, 3 quadrilaterals, and 1 hexagon

J 1 triangle, 2 quadrilaterals, and 2 pentagons

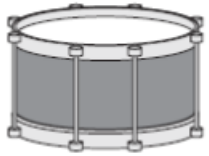
The objects shown can be classified into groups based on their shape.

Can

Eraser



Toolbox



Drum

Which table best represents the classifications for these objects?

F Classifications

Group	Object
Prism	Eraser Toolbox
Cylinder	Can Drum

H Classifications

Group	Object
Prism	Eraser Toolbox
Sphere	Can Drum

G Classifications

Group	Object
Cube	Eraser Toolbox
Cylinder	Can Drum

J Classifications

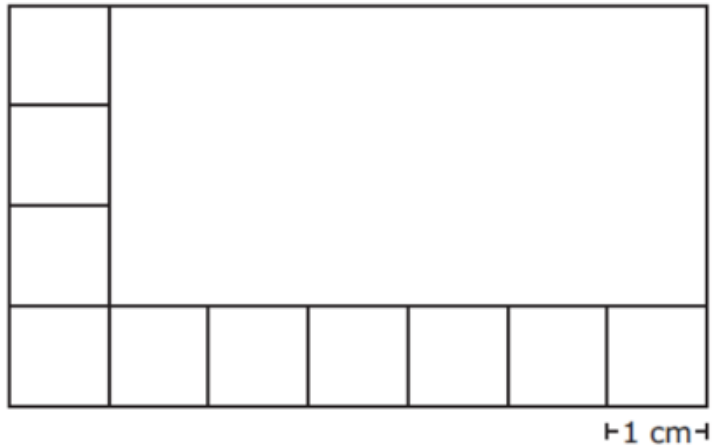
Group	Object
Cylinder	Eraser Toolbox
Prism	Can Drum

STAAR 2016

3rd Grade Math
Readiness Standard
Category 3

3.6C # 11 28

Felicia started placing square tiles inside a rectangle, as shown in the diagram.
Each square tile has a side length of 1 cm.



She continued placing square tiles without any overlaps to cover the rectangle.
What is the area of the rectangle in square centimeters?

Donte counted the square tiles on a rectangular floor at his school. Each tile had an area of 1 square foot. On the floor there were 9 rows of tiles and 36 tiles in each row. What is the area of the floor in square feet?

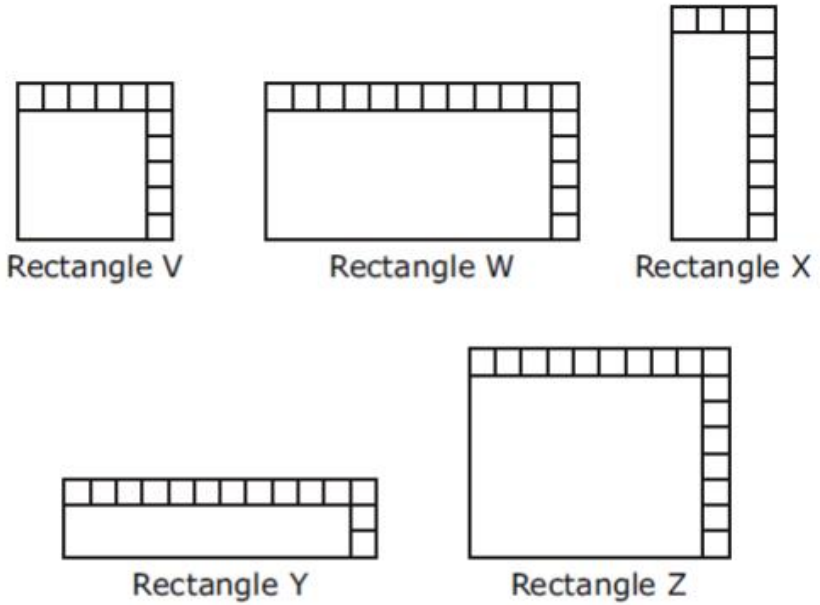
A 360 square feet

B 45 square feet

C 324 square feet

D 90 square feet

Each rectangle shown will be covered with equal-size squares. Some of the squares have been placed as shown.



☐ = 1 square centimeter

Which of these rectangles have an area of 36 square centimeters?

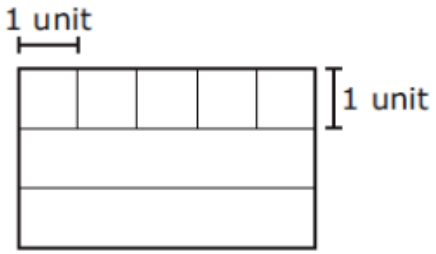
F Rectangles V, W, X, Y, and Z

G Rectangles X and Y only

H Rectangles W and Z only

J Rectangles V, X, and Y only

A model of a rectangular bulletin board is shown. The top row has been divided into squares of equal size.



The rest of the model will also be divided into squares of the same size. What is the area in square units represented by this model?

A 8 square units

B 15 square units

C 12 square units

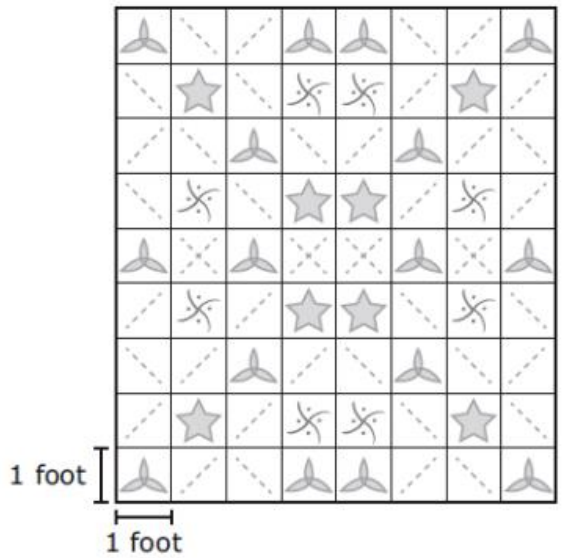
D 16 square units

STAAR 2018

3rd Grade Math
Readiness Standard
Category 3

3.6C # 32Y

Maria put cloth squares together to make a blanket. The blanket is modeled by this rectangle.



What is the area of the blanket in square feet?

F 17 square feet

G 34 square feet

H 72 square feet

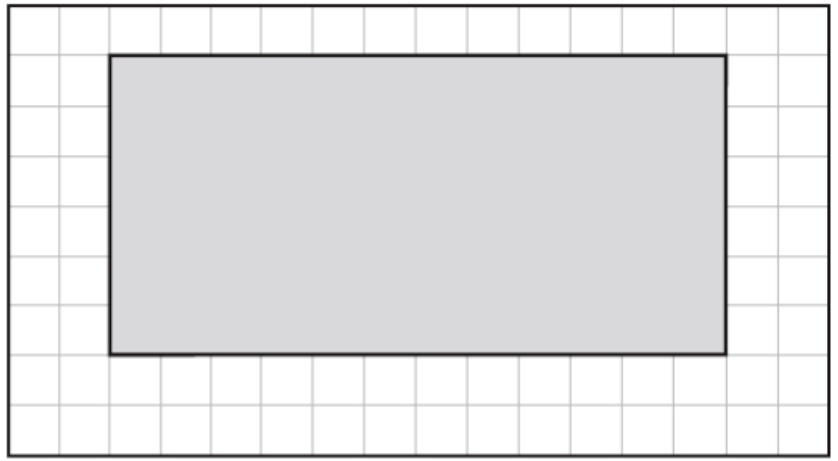
J 63 square feet

STAAR 2019

3rd Grade Math
Readiness Standard
Category 3

3.6C # 16Z

The shaded figure on the grid represents Erin's rectangular lawn.



= 1 square meter

What is the area in square meters of Erin's lawn?

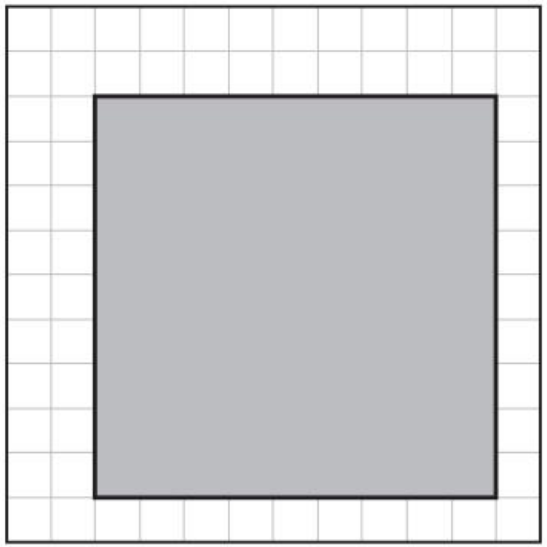
F 18 square meters

G 36 square meters

H 62 square meters

J 72 square meters

Heidi is making a rectangular card. The shaded rectangle on the grid represents the card.



= 1 square centimeter

What is the area of this card in square centimeters?

F 18 square centimeters

G 36 square centimeters

H 90 square centimeters

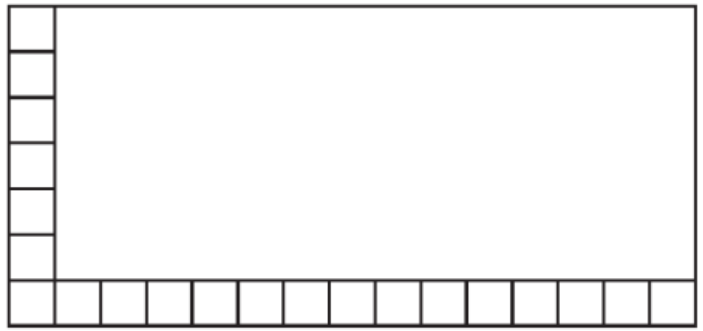
J 81 square centimeters

STAAR 2021

3rd Grade Math
Readiness Standard
Category 3

3.6C # 7W

Workers at a school are covering a rectangular patio with square tiles. Each square tile has an area of 1 square yard. The figure shows the part of the patio that has already been covered with square tiles.



= 1 square yard

What is the area of the entire patio in square yards?

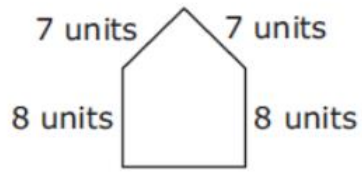
A 105 square yards

B 90 square yards

C 98 square yards

D 84 square yards

The lengths of four sides of a polygon are shown in the diagram.



The perimeter of the polygon is 40 units. What is the missing length in units?

A 8 units

B 15 units

C 10 units

D 30 units

A triangular sign has a perimeter of 44 centimeters. Two of the sides are each 14 centimeters long. What is the length of the third side in centimeters?

F 28 cm

G 16 cm

H 30 cm

J 14 cm

Felix drew the figures shown below.

Figure 1

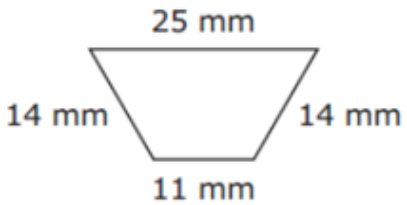


Figure 2

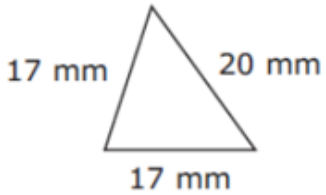


Figure 3

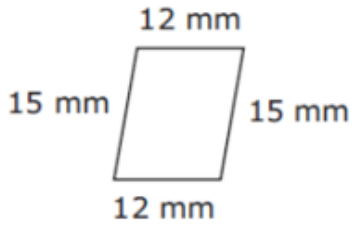
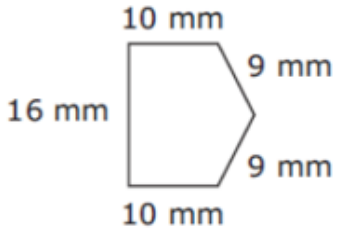


Figure 4



Which list shows all the figures that have a perimeter of 54 millimeters?

F Figures 2, 3, and 4

G Figures 2 and 4

H Figures 1 and 3

J Figures 1, 2, and 4

A triangle has a perimeter of 18 units. Each side of this triangle is the same length.

What is the length of one side of the triangle in units?

F 3 units

G 6 units

H 19 units

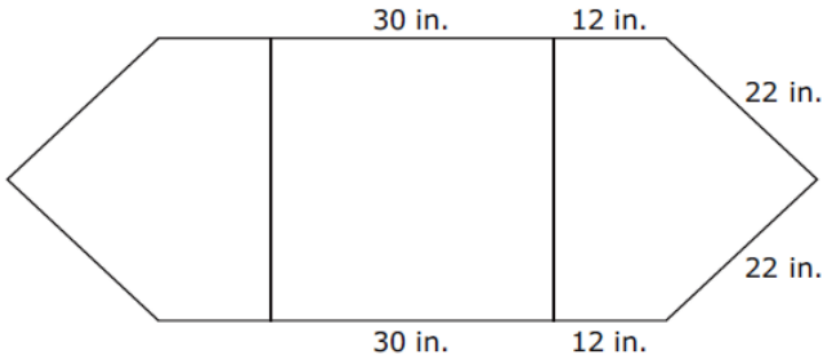
J 54 units

STAAR 2017

3rd Grade Math
Readiness Standard
Category 3

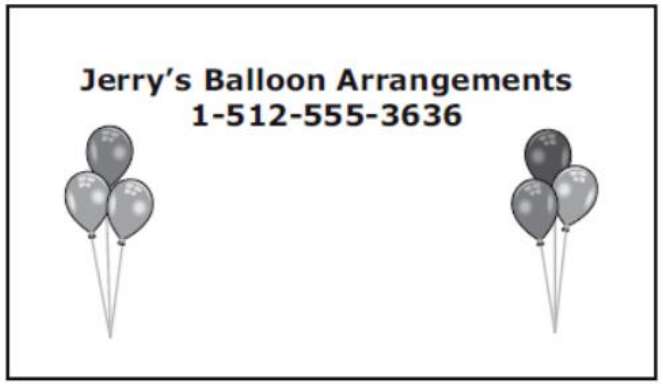
3.7B # 14

Holly made a poster using two congruent pentagons and a square.



What is the perimeter of the poster in inches?

A rectangular business card is shown. Use the ruler provided to measure the length and width of the business card to the nearest centimeter.



Which measurement is closest to the perimeter of the business card in centimeters?

A 14 cm

B 28 cm

C 45 cm

D 32 cm

Gretchen made this table to show the side lengths and perimeters of three figures.

Gretchen's Figures

Figure	Side Lengths (yards)	Perimeter (yards)
Square	6, 6, 6, 6	24
Triangle	4, 7, 8	19
Rectangle	4, 8, 4, 8	32

What mistake, if any, did Gretchen make?

A The perimeter of the rectangle should be 24 yards.

B The perimeter of the square should be 36 yards.

C The perimeter of the triangle should be 20 yards.

D Gretchen did not make any mistakes in the table.

STAAR 2019

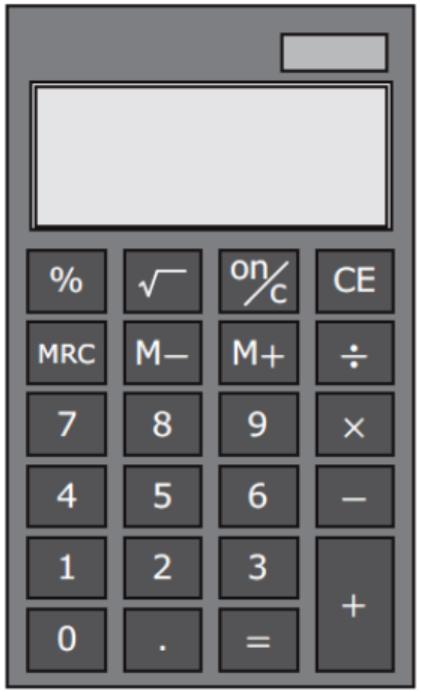
3rd Grade Math
Readiness Standard
Category 3

3.7B # 14

Gina's journal has a square cover with the side length shown.

What is the perimeter of the cover of Gina's journal in centimeters?

A model of Mr. Estrada's rectangular calculator is shown. Use the ruler provided to measure the length and width of the calculator to the nearest centimeter.



Which measurement is closest to the perimeter of the calculator in centimeters?

A 10 cm

B 32 cm

C 16 cm

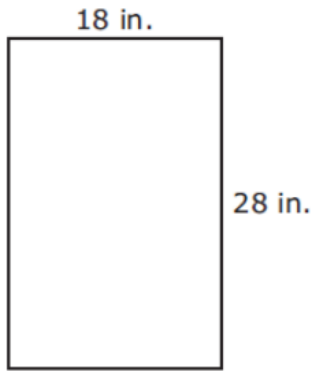
D 36 cm

STAAR 2021

3rd Grade Math
Readiness Standard
Category 3

3.7B # 9Z

The side lengths of a rectangular mirror are shown in inches.



What is the perimeter of the mirror in inches?

A 72 in.

B 46 in.

C 74 in.

D 92 in.

The perimeter of the rectangular floor of Mr. Bryan's cabin is 46 feet. The width of the floor is 10 feet, as shown.

What is the length of the floor of Mr. Bryan's cabin in feet?

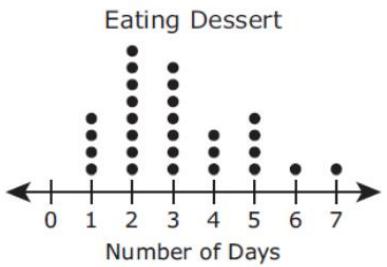
The frequency table shows the results of a survey about how many days per week some families eat dessert.

Eating Dessert

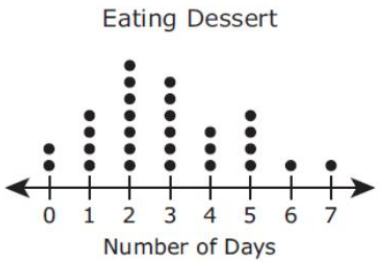
Number of Days	Frequency
0	II
1	IIII
2	~~IIII~~ III
3	~~IIII~~ II
4	III
5	IIII
6	I
7	I

Which dot plot represents the data in the table?

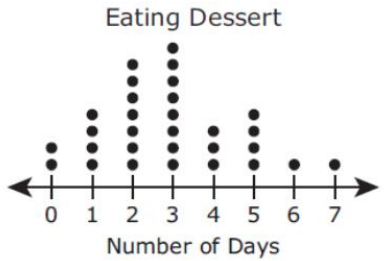
A



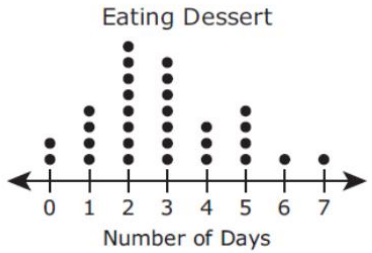
B



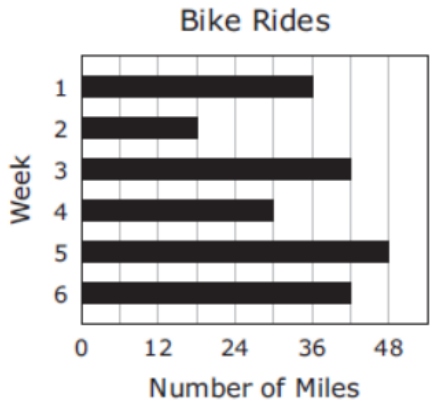
C



D



The graph below shows the number of miles Lincoln rode his bike during six weeks.



Which table represents the information in the graph?

F

Bike Rides

Week	Number of Miles
1	36
2	14
3	38
4	26
5	48
6	38

G

Bike Rides

Week	Number of Miles
1	36
2	24
3	48
4	36
5	48
6	48

H

Bike Rides

Week	Number of Miles
1	36
2	18
3	42
4	30
5	42
6	48

J

Bike Rides

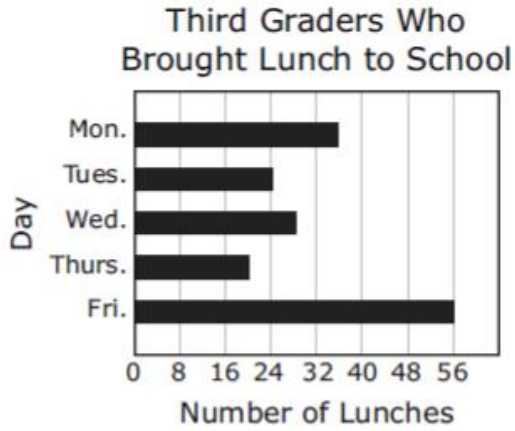
Week	Number of Miles
1	36
2	18
3	42
4	30
5	48
6	42

STAAR 2017

3rd Grade Math
Readiness Standard
Category 4

3.8A # 29W

The bar graph shows the number of third graders who brought lunch to school each day last week.



Which table best represents the data in the graph?

A

Third Graders Who Brought Lunch to School

Day	Number of Lunches
Monday	36
Tuesday	24
Wednesday	28
Thursday	20
Friday	56

B

Third Graders Who Brought Lunch to School

Day	Number of Lunches
Monday	32
Tuesday	24
Wednesday	24
Thursday	16
Friday	56

C

Third Graders Who Brought Lunch to School

Day	Number of Lunches
Monday	40
Tuesday	24
Wednesday	32
Thursday	24
Friday	56

D

Third Graders Who Brought Lunch to School

Day	Number of Lunches
Monday	34
Tuesday	24
Wednesday	26
Thursday	18
Friday	56

A school keeps boxes of paper of different colors in a room. The table shows how many boxes of each color are in the room.

Boxes of Paper

Color	Number
White	48
Yellow	24
Blue	42
Red	18

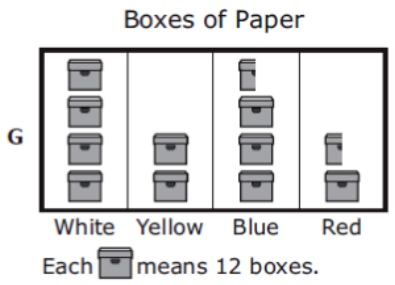
Which answer choice does NOT represent the information in the table?

F

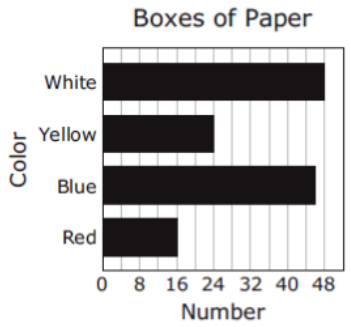
Boxes of Paper

Color	Number
White	
Yellow	
Blue	
Red	

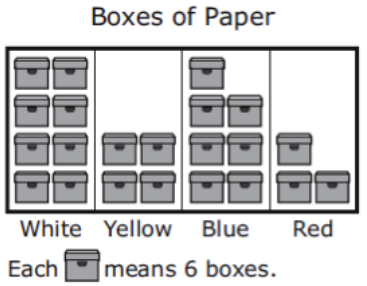
G



H



J



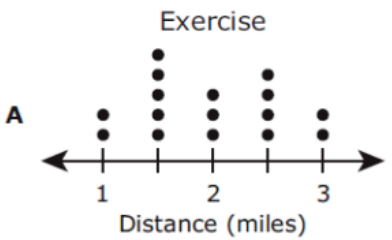
Alberto ran for exercise every day for 16 days. The table shows how many days he ran each distance.

Exercise

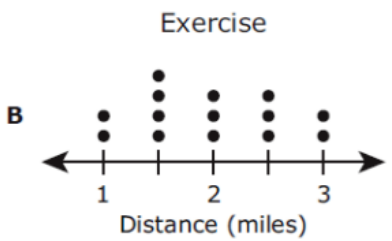
Distance (miles)	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Number of Days	2	5	3	4	2

Which dot plot represents these data?

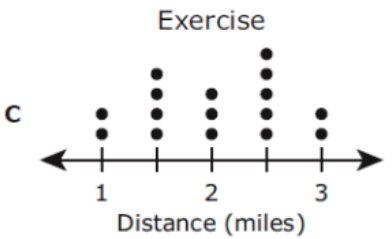
A



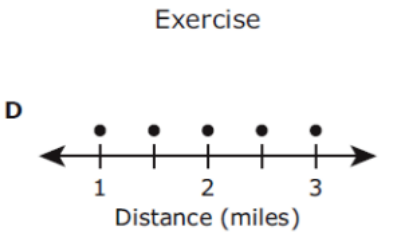
B



C



D



The pictograph shows the number of each type of balloon animal a clown made on Tuesday.

Balloon Animals

Dog	
Monkey	
Rabbit	
Bear	

Each  means 2 animals.

Which table correctly represents the data?

A

Balloon Animals

Animal	Number of Balloons
Dog	4
Monkey	2
Rabbit	5
Bear	3

B

Balloon Animals

Animal	Number of Balloons
Dog	8
Monkey	4
Rabbit	12
Bear	6

C

Balloon Animals

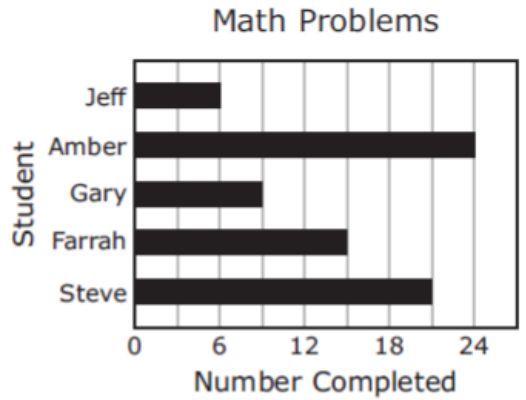
Animal	Number of Balloons
Dog	4
Monkey	2
Rabbit	6
Bear	3

D

Balloon Animals

Animal	Number of Balloons
Dog	8
Monkey	4
Rabbit	10
Bear	6

The bar graph shows the number of math problems each of five students completed during math class.



Which list matches the data in the bar graph?

F Jeff: 6
Amber: 24
Gary: 8
Farrah: 14
Steve: 20

G Jeff: 9
Amber: 24
Gary: 6
Farrah: 15
Steve: 21

H Jeff: 6
Amber: 24
Gary: 9
Farrah: 15
Steve: 21

J Jeff: 6
Amber: 21
Gary: 9
Farrah: 15
Steve: 24

3.2D– Slide 1 (Drag/Drop)
[Procedural]

3rd Grade Math
Readiness Standard
Category 1

2019 # 1 C

Which list shows the numbers in order from greatest to least value?

A 38,945 9,052 9,181

B 6,912 29,013 34,987

C 58,702 50,716 581

D 6,092 60,019 5,005

Why is your answer correct?

3.4K – Slide 2 (Text Entry)
[Procedural]

3rd Grade Math
Readiness Standard
Category 2

2019 # 2 G

Gerardo bought 3 packages of mint gum and 2 packages of bubble gum. Each package had 8 pieces of gum.

How many pieces of gum did Gerardo buy?

F 26

G 40

H 12

J 48

Why is your answer correct?

3.8A – Slide 3 (Drag/Drop)
[Conceptual or Procedural]]

3rd Grade Math
Readiness Standard
Category 4

2019 # 3 A

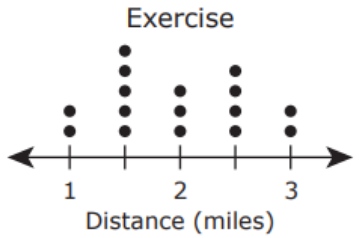
Alberto ran for exercise every day for 16 days. The table shows how many days he ran each distance.

Exercise

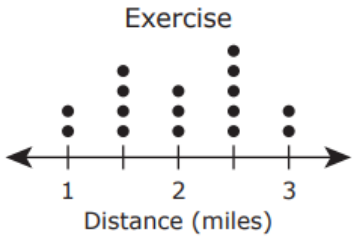
Distance (miles)	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Number of Days	||	𝍸 ||	|||	||||	||

Which dot plot represents these data?

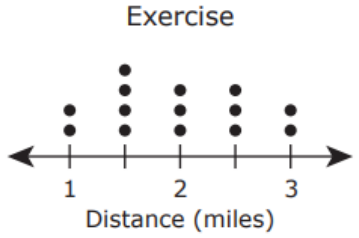
A



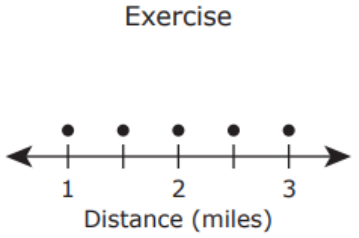
C



B



D



Why is your answer correct?

3.2A – Slide 4 (Equation Editor)
[Conceptual or Procedural]

3rd Grade Math
Readiness Standard
Category 1

2019 # 4 H

The expanded form of a number is shown.

$$90{,}000 + 200 + 40 + 1$$

What is the standard form of this number?

F 9,241

G 92,041

H 90,241

J 90,421

Why is your answer correct?

Serafina put a total of 42 cupcakes into packages. She put 6 cupcakes into each package.

What is the total number of packages Serafina used for these cupcakes?

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

Why is your answer correct?

3.4I – Slide 6 (Drag/Drop)
[Conceptual]

3rd Grade Math
Supporting Standard
Category 1

2019 # 6 F

Which number is odd?

F 205

G 350

H 168

J 514

Why is your answer correct?

3.5A – Slide 7 (Equation Editor)
[Procedural]

3rd Grade Math
Readiness Standard
Category 2

2019 # 7 D

Freddie had $256 in his bank account.

- On Monday he put $50 more into his account.
- On Tuesday he took out $87 to buy a bicycle.

Which equation can be used to find the amount of money Freddie had in his bank account after he took out money on Tuesday?

A $256 - 50 - 87 = \square$

B $256 + 50 + 87 = \square$

C $250 - 50 + 87 = \square$

D $256 + 50 - 87 = \square$

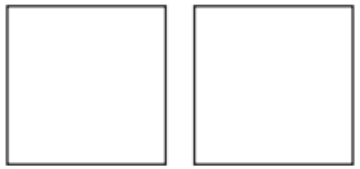
Why is your answer correct?

3.6E – Slide 8 (Drag/Drop)
[Conceptual]

3rd Grade Math
Supporting Standard
Category 3

2019 # 8 F

Brandon drew the two congruent squares shown.



- He divided one square into 2 congruent triangular parts.
- He divided the other square into 2 congruent rectangular parts.

Which statement is true?

F Each triangular part and each rectangular part represents $\frac{1}{2}$ the area of one square.

G Each triangular part has an area that is greater than the area of each rectangular part.

H Each triangular part and each rectangular part represents $\frac{1}{4}$ the area of one square.

J Each rectangular part has an area that is greater than the area of each triangular part.

Why is your answer correct?

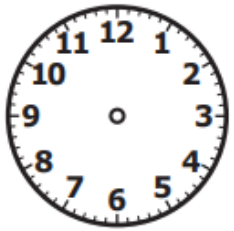
3.7C – Slide 9 (Text Entry)
[Conceptual or Procedural]

3rd Grade Math
Supporting Standard
Category 3

2019 # 9 C

Felix swam, rode his bike, and ran in a race.

- He spent 19 minutes swimming.
- He spent 21 minutes riding his bike.
- He spent 30 minutes running.



What was the total amount of time Felix spent swimming, riding his bike, and running in this race?

A 1 hour 20 minutes

B 40 minutes

C 1 hour 10 minutes

D 1 hour

Why is your answer correct?

3.5E – Slide 10 (Hotspot)
[Conceptual]

3rd Grade Math
Readiness Standard
Category 2

2019 # 10 G

There are 8 oranges in each bag for sale at a store. Which table shows the relationship between the number of bags and the number of oranges in the bags?

F

Oranges

Number of Bags	Number of Oranges
2	8
3	16
4	24
5	32

H

Oranges

Number of Bags	Number of Oranges
2	10
3	11
4	12
5	13

G

Oranges

Number of Bags	Number of Oranges
2	16
3	24
4	32
5	40

J

Oranges

Number of Bags	Number of Oranges
2	16
3	32
4	64
5	128

Why is your answer correct?

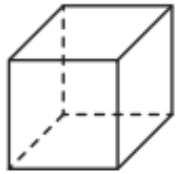
3.6A – Slide 11 (multi-select)
[Conceptual]

3rd Grade Math
Readiness Standard
Category 3

2019 # 11 C

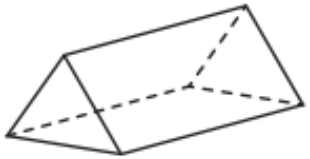
Which figure CANNOT be classified as a prism?

A

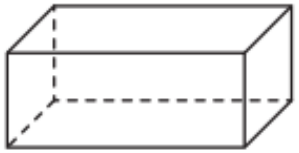


C

B



D



Why is your answer correct?

3.5B – Slide 12 (Equation Editor)
[Procedural]

3rd Grade Math
Readiness Standard
Category 2

2019 # 12 G

Stacy used 21 feet of ribbon to make bows. She used 3 feet of ribbon for each bow.

Which equation can be used to find the number of bows Stacy made with this ribbon?

F $21 \times 3 = 63$

G $21 \div 3 = 7$

H $21 + 3 = 24$

J $21 - 3 = 18$

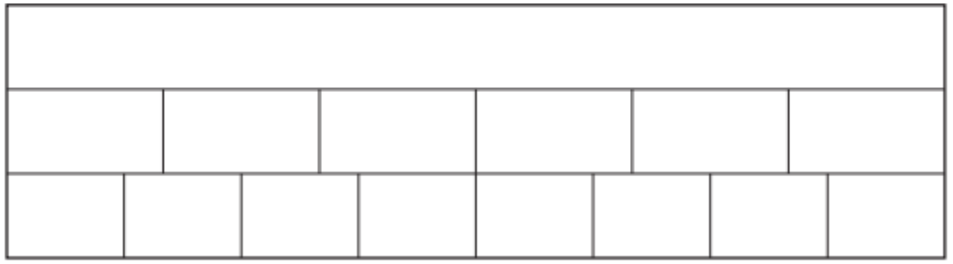
Why is your answer correct?

3.3H – Slide 13 (Fraction Model)
[Conceptual or Procedural]

3rd Grade Math
Readiness Standard
Category 1

2019 # 13 D

Fraction strips are shown.



Which comparison and explanation are true?

A $\frac{5}{6} < \frac{5}{8}$, because eighths are larger than sixths

B $\frac{5}{6} < \frac{5}{8}$, because sixths are larger than eighths

C $\frac{5}{6} > \frac{5}{8}$, because eighths are larger than sixths

D $\frac{5}{6} > \frac{5}{8}$, because sixths are larger than eighths

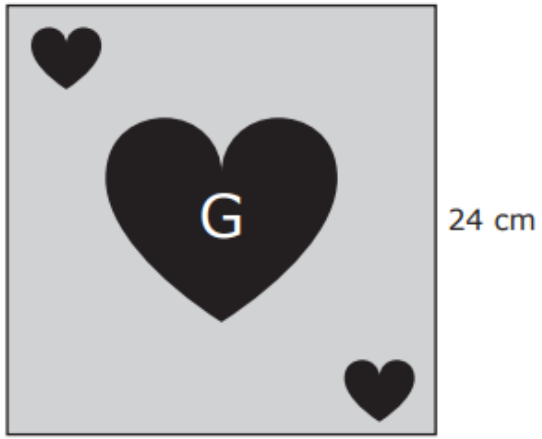
Why is your answer correct?

3.7B – Slide 14 (Text Entry)
[Conceptual or Procedural]

3rd Grade Math
Readiness Standard
Category 3

2019 # 14 96

Gina's journal has a square cover with the side length shown.



What is the perimeter of the cover of Gina's journal in centimeters?

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

Why is your answer correct?

3.4A – Slide 15 (Text Entry)
[Procedural]

3rd Grade Math
Readiness Standard
Category 2

2019 # 15 A

Roger has two boxes of nails. One box has 438 nails, and the other box has 375 nails.

How many nails does Roger have in these two boxes?

A 813

B 703

C 814

D 713

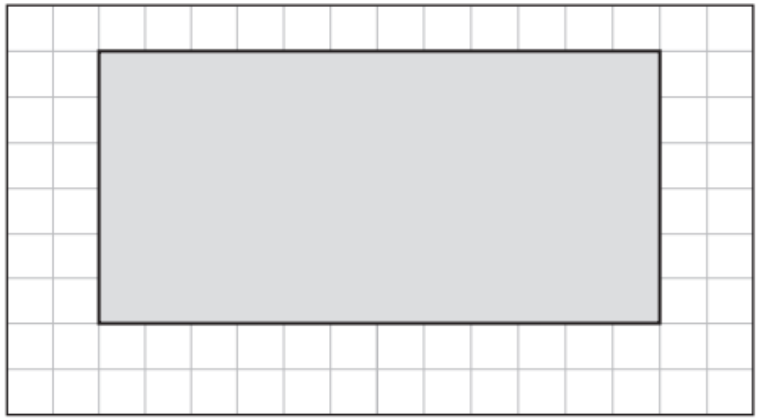
Why is your answer correct?

3.6C – Slide 16 (Text Entry)
[Conceptual or Procedural]

3rd Grade Math
Readiness Standard
Category 3

2019 # 16 J

The shaded figure on the grid represents Erin's rectangular lawn.



= 1 square meter

What is the area in square meters of Erin's lawn?

F 18 square meters

G 36 square meters

H 62 square meters

J 72 square meters

Why is your answer correct?

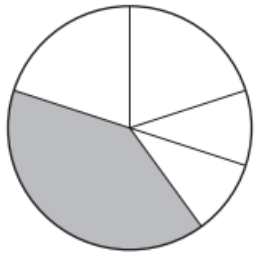
3.3C – Slide 17 (Drag/Drop or Fraction Model) [Conceptual]

3rd Grade Math
Supporting Standard
Category 1

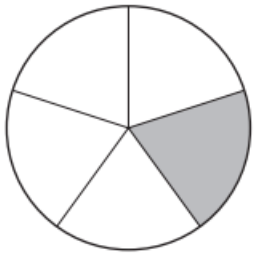
2019 # 17 B

Models R and T are shown.

Model R



Model T



Which statement is true?

A The shaded parts of Model R and Model T are different sizes, but each model represents the same fraction of the whole.

B The shaded part of Model R cannot be written as the fraction $\frac{1}{5}$, because the parts are not all equal in size.

C The shaded part of Model T is $\frac{1}{4}$, because the parts are all equal in size.

D The total number of parts in Model R is 5, so $\frac{1}{5}$ of Model R is shaded.

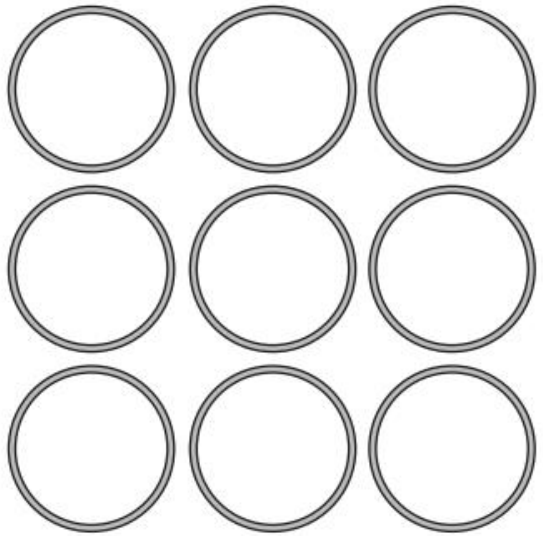
Why is your answer correct?

3.4H – Slide 18 (Text Entry)
[Procedural]

3rd Grade Math
Supporting Standard
Category 2

2019 # 18 F

A group of 27 students played a game with the hoops shown. An equal number of the students shared each hoop.



How many students shared each hoop?

F 3

G 18

H 9

J 36

Why is your answer correct?

3.3F – Slide 19 (Multi-select)
[Conceptual or Procedural]

3rd Grade Math
Readiness Standard
Category 1

2019 # 19 C

Point *P* on the number line represents two equivalent fractions.

Which two equivalent fractions can point *P* represent?

A $\frac{1}{4}$ and $\frac{1}{8}$

B $\frac{1}{3}$ and $\frac{2}{6}$

C $\frac{1}{4}$ and $\frac{2}{8}$

D $\frac{1}{4}$ and $\frac{3}{4}$

Why is your answer correct?