investigating
the question

RELEASED TEST

Aligned to the Standards

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Math - Grade 3 English

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IQ Analysis | Investigating the Question	SE 3.1A	RC: 1
3.1A use place value to read, write (in symbols and words), and describe the value of whole numbers through 999,999	**Units:**	

3.1A	Analysis		
Q22 The number of people living in a city has a 3 in the hundreds place and a 1 in the ten-thousands place. Which number has a 3 in the hundreds place and a 1 in the ten-thousands place? **F** 318,297 **G** 791,326 **H** 219,305 **J** 536,812 *** Correct answer (H)**	**Type**	☐ Readiness ☒ Supporting	
	Data		
	Process Standard		
		%	**Error Type**
	A/F		☐ Procedural
	B/G		☐ Application
	C/H*		☐ Conceptual
	D/J		☐ Guessing
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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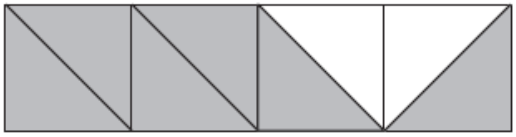
IQ Analysis | Investigating the Question	SE 3.2C	RC: 1
3.2C use fraction names and symbols to describe fractional parts of whole objects or sets of objects	**Units:**	

3.2C

Q14

Indira shaded part of a figure, as shown below.



What fraction of the figure is shaded?

F $\frac{2}{6}$

G $\frac{2}{8}$

H $\frac{6}{8}$

J $\frac{1}{6}$

*** Correct answer (H)**

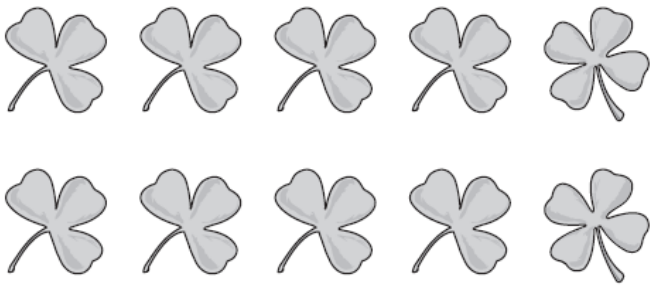
Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard		
	%	**Error Type**
A/F		☐ Procedural
B/G		☐ Application
C/H*		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.2C

Q39

Rochelle has clovers with different numbers of leaves, as shown below.



What part of this group of clovers has exactly three leaves?

A 2 out of 10

B 1 out of 8

C 2 out of 8

D 8 out of 10

*** Correct answer (D)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard		
	%	**Error Type**
A/F		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
***D/J**		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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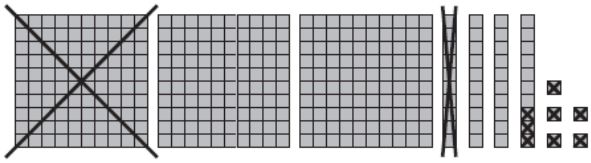
IQ Analysis | Investigating the Question	SE 3.3A	RC: 1
3.3A model addition and subtraction using pictures, words, and numbers	**Units:**	

3.3A

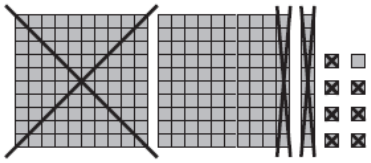
Q16

Rob had 345 concert tickets to sell. He sold 127 of these tickets on Monday. Which model represents the number of tickets Rob had left to sell?

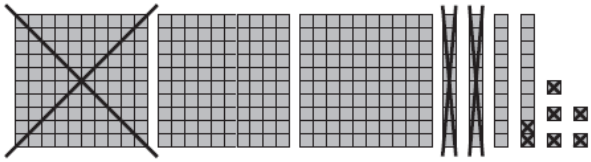
F



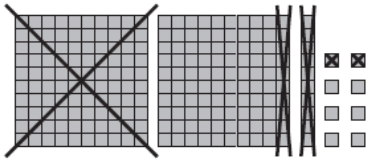
G



H



J



*** Correct answer (H)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14D	
	%	**Error Type**
A/F		☐Procedural
B/G		☐Application
C/H*		☐Conceptual
D/J		☐Guessing
Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question	SE 3.3B	RC: 1
3.3B select addition or subtraction and use the operation to solve problems involving whole numbers through 999	**Units:**	

3.3B	Analysis		
Q11 Gilbert had a total of 85 CDs to put in stacks. He put 27 CDs in one stack and 39 CDs in a second stack. How many CDs did Gilbert have left to put in stacks? Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value. *** Correct answer (19)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14B	
	%	**Error Type** ☐ Procedural ☐ Application ☐ Conceptual ☐ Guessing	
	A/F		
	B/G		
	C/H		
	D/J		
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.3B	Analysis		
Q24 A company received 492 phone calls from customers in June and 267 phone calls from customers in July. What is the difference between the numbers of phone calls received in these two months? **F** 225 **G** 759 **H** 235 **J** 135 *** Correct answer (F)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14A	
	%	**Error Type** ☐ Procedural ☐ Application ☐ Conceptual ☐ Guessing	
	A/F*		
	B/G		
	C/H		
	D/J		
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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3.3B	Analysis		
Q36 Vandra sold the following number of lightbulbs during three months at a store. • She sold 573 lightbulbs in January. • She sold 822 lightbulbs in February. • She sold 738 lightbulbs in March. How many lightbulbs did Vandra sell during these three months? **F** 2,023 **G** 2,133 **H** 2,223 **J** 2,033 *** Correct answer (G)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14A	
	%	**Error Type**	
	A/F	☐ Procedural	
	B/G*	☐ Application	
	C/H	☐ Conceptual	
	D/J	☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question	SE 3.4A	RC: 1
3.4A learn and apply multiplication facts through 12 by 12 using concrete models and objects	**Units:**	

3.4A	**Analysis**		
Q9 Emery drew 3 rows of stick figures. Each row has the same number of stick figures. One of the rows is shown below. How many stick figures are in 3 rows? **A** 12 **B** 24 **C** 9 **D** Not here *** Correct answer (D)**	**Type**	☐ Readiness ☒ Supporting	
	Data		
	Process Standard	3.14D	
	%	**Error Type**	
	A/F	☐Procedural	
	B/G	☐Application	
	C/H	☐Conceptual	
	***D/J**	☐Guessing	
	Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question	SE 3.4B	RC: 1
3.4B solve and record multiplication problems (up to two digits times one digit)	**Units:**	

3.4B	Analysis		
Q5 Andy has trumpet practice 4 times every month. Each practice lasts 2 hours. What is the total number of hours that Andy will practice in 9 months? **A** 72 **B** 156 **C** 36 **D** 104 *** Correct answer (A)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14A	
	%	**Error Type**	
	***A/F**	☐ Procedural	
	B/G	☐ Application	
	C/H	☐ Conceptual	
	D/J	☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.4B	Analysis		
Q32 Willis has 5 bags of marbles that have 18 marbles each. He also has 3 bags of marbles that have 13 marbles each. What is the total number of marbles in these 8 bags? **F** 194 **G** 47 **H** 129 **J** 90 *** Correct answer (H)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14A	
	%	**Error Type**	
	A/F	☐ Procedural	
	B/G	☐ Application	
	C/H*	☐ Conceptual	
	D/J	☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.4B	Analysis		
Q41 Carl arranged 9 rows of bricks to make a walkway. Each row had 56 bricks. How many bricks did Carl arrange in this walkway? **A** 504 **B** 495 **C** 904 **D** 454 *** Correct answer (A)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14A	
	%	**Error Type**	
	***A/F**	☐ Procedural	
	B/G	☐ Application	
	C/H	☐ Conceptual	
	D/J	☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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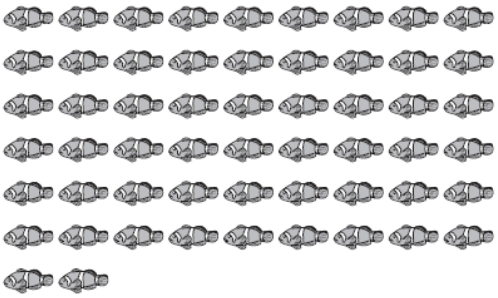
IQ Analysis | Investigating the Question	SE 3.4C	RC: 1
3.4C use models to solve division problems and use number sentences to record the solutions	**Units:**	

3.4C

Q12

The picture below shows the number of fish Mrs. Gonzales wants to put into fish tanks.



She will put 7 fish into each tank. Which number sentence shows the number of fish tanks Mrs. Gonzales needs for her fish?

F $56 \div 7 = 9$

G $56 \div 7 = 8$

H $56 \div 7 = 6$

J $56 \div 7 = 7$

*** Correct answer (G)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.14D	
	%	**Error Type**
A/F		☐ Procedural
B/G*		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.4C

Q29

The barrels shown below will be placed in 3 rows at a park. There will be an equal number of barrels in each row.

Which number sentence shows the number of barrels that will be in each row?

A $30 \div 6 = 5$

B $36 \div 3 = 12$

C $30 \div 3 = 10$

D $36 \div 6 = 6$

*** Correct answer (C)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.14D	
	%	**Error Type**
A/F		☐ Procedural
B/G		☐ Application
***C/H**		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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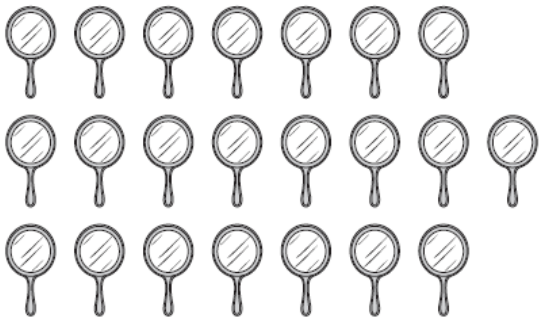
3.4C

Q45

Nelli will arrange 22 mirrors on 2 shelves in a store. There will be an equal number of mirrors on each of the shelves.



How many mirrors will be on each of the shelves?

A 11, because $22 \div 2 = 11$

B 24, because $22 + 2 = 24$

C 44, because $22 \times 2 = 44$

D 20, because $22 - 2 = 20$

*** Correct answer (A)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.16B	
	%	**Error Type**
***A/F**		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question

SE 3.5A	RC: 1

3.5A round whole numbers to the nearest ten or hundred to approximate reasonable results in problem situations

Units:

3.5A

Q18

Mr. Neufeld grew a vegetable garden last year. The list below shows the number of three vegetables he grew.

- 718 onions
- 374 potatoes
- 187 cucumbers

Which expression shows the best way to estimate the difference between the number of potatoes and the number of cucumbers Mr. Neufeld grew in his garden?

F $370 + 190$

G $400 + 100$

H $400 - 100$

J $370 - 190$

*** Correct answer (J)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14B	
	%	**Error Type**
A/F		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
D/J*		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question	SE 3.6A	RC: 2
3.6A identify and extend whole-number and geometric patterns to make predictions and solve problems	**Units:**	

3.6A	**Analysis**		
Q19 The numbers below form a pattern. 3, 16, 29, 42, 55, . . . Which of these numbers would **NOT** be part of this pattern? **A** 68 **B** 81 **C** 71 **D** 94 *** Correct answer (C)**	**Type**	☐ Readiness ☒ Supporting	
	Data		
	Process Standard	3.14C	
	%	**Error Type**	
	A/F	☐Procedural	
	B/G	☐Application	
	***C/H**	☐Conceptual	
	D/J	☐Guessing	
	Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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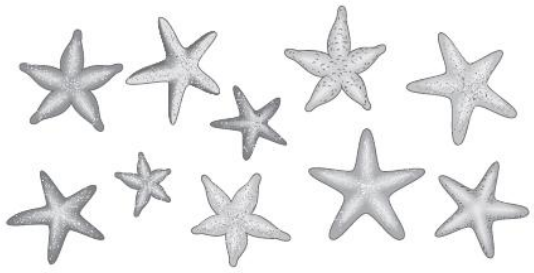
IQ Analysis | Investigating the Question	SE 3.6B	RC: 2
3.6B identify patterns in multiplication facts using concrete objects, pictorial models, or technology	**Units:**	

3.6B

Q43

Janie collected 10 sea stars at the beach. Each sea star had 5 arms, as shown below.



Which expression can be used to find the total number of arms on 10 sea stars?

A $10 \div 5$

B $10 - 5$

C $10 + 5$

D 10×5

*** Correct answer (D)**

Analysis		
Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.15B	
	%	**Error Type**
A/F		☐Procedural
B/G		☐Application
C/H		☐Conceptual
***D/J**		☐Guessing
Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question	SE 3.6C	RC: 2
3.6C identify patterns in related multiplication and division sentences (fact families) such as 2 x 3 = 6, 3 x 2 = 6, 6 ÷ 2 = 3, 6 ÷ 3 = 2	**Units:**	

3.6C	**Analysis**		
Q2 Belinda made 5 gallons of fruit punch for a party. There are 8 pints in each gallon of punch. Which expression is in the same fact family as $8 \times 5 = 40$? **F** 5×40 **G** $8 + 5$ **H** $40 \div 8$ **J** $40 - 8$ *** Correct answer (H)**	**Type**	☐ Readiness ☒ Supporting	
	Data		
	Process Standard		
		%	**Error Type**
	A/F		☐Procedural ☐Application ☐Conceptual ☐Guessing
	B/G		
	C/H*		
	D/J		
	Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

IQ Analysis | Investigating the Question

SE 3.7A	RC: 2

3.7A generate a table of paired numbers based on a real-life situation such as insects and legs

Units:

3.7A

Q30

Each meal at a restaurant costs $9. Which table shows the total cost for different numbers of meals?

F

Meals

Number of Meals	7	8	11	15
Total Cost	$63	$72	$99	$135

G

Meals

Number of Meals	7	8	11	15
Total Cost	$16	$17	$20	$24

H

Meals

Number of Meals	7	8	11	15
Total Cost	$63	$72	$81	$90

J

Meals

Number of Meals	7	8	11	15
Total Cost	$9	$18	$27	$36

*** Correct answer (F)**

Analysis

Type	☐ Readiness ☒ Supporting
Data	
Process Standard	3.14C

	%
A/F*	
B/G	
C/H	
D/J	

Error Type
☐ Procedural
☐ Application
☐ Conceptual
☐ Guessing

Taught v. learned
☐ Similar to examples (taught)
☐ Requires application (learned)

Question Level (Depth of Knowledge)
☐ Level 1
☐ Level 2
☐ Level 3
☐ Level 4

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IQ Analysis | Investigating the Question

SE 3.7B	RC: 2

3.7B identify and describe patterns in a table of related number pairs based on a meaningful problem and extend the table

Units:

3.7B

Q8

Georgia made cupcakes for a bake sale. The table below shows the total number of cupcakes in different numbers of pans.

Cupcakes

Number of Pans	Total Number of Cupcakes
4	24
6	36
11	66
13	
20	120

There is the same number of cupcakes in each pan. What is one way to find the total number of cupcakes in 13 pans?

F Find the sum of 66 and 36

G Find the difference between 120 and 13

H Find the product of 13 and 6

J Find the difference between 120 and 66

*** Correct answer (H)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.15B	
	%	**Error Type**
A/F		☐ Procedural
B/G		☐ Application
C/H*		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.7B

Q23

The table below shows the total number of postcards in different numbers of packages.

Postcards

Number of Packages	Total Number of Postcards
2	24
6	72
8	
10	120
12	144

Each package has the same number of postcards. What is the total number of postcards in 8 of these packages?

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

*** Correct answer (96)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.14C	
	%	**Error Type**
A/F		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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3.7B	Analysis		
Q34	**Type**	☒ Readiness ☐ Supporting	
The table below shows the total number of granola bars in different numbers of boxes.	**Data**		
Granola Bars	**Process Standard**	3.16B	
		%	**Error Type**
	A/F		☐ Procedural
	B/G		☐ Application
	C/H		☐ Conceptual
	D/J*		☐ Guessing
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

Number of Boxes	2	4	8	9
Total Number of Granola Bars	32		128	144

Each box has the same number of granola bars. What is the total number of granola bars in 4 boxes?

F 124, because $128 - 4 = 124$

G 48, because $16 \times 3 = 48$

H 96, because $128 - 32 = 96$

J 64, because $16 \times 4 = 64$

*** Correct answer (J)**

3.7B	Analysis		
Q46	**Type**	☒ Readiness ☐ Supporting	
The table below shows the total number of rulers in different numbers of boxes.	**Data**		
Rulers	**Process Standard**	3.14C	
		%	**Error Type**
	A/F		☐ Procedural
	B/G		☐ Application
	C/H		☐ Conceptual
	D/J*		☐ Guessing
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

Number of Boxes	1	3	5	9
Total Number of Rulers	12	36		108

There is an equal number of rulers in each box. Which number sentence shows how to find the total number of rulers in 5 boxes?

F $5 + 36 = 41$

G $5 \times 9 = 45$

H $5 + 24 = 29$

J $5 \times 12 = 60$

*** Correct answer (J)**

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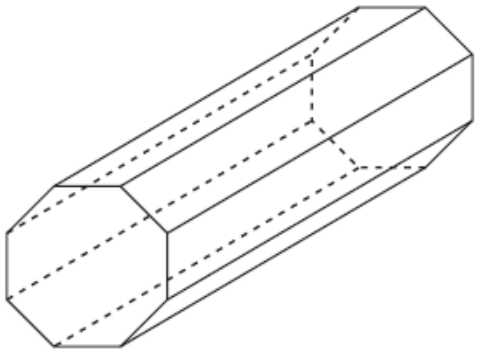
IQ Analysis | Investigating the Question	SE 3.8A	RC: 3
3.8A identify, classify, and describe two- and three-dimensional geometric figures by their attributes. The student compares two- dimensional figures, three-dimensional figures, or both by their attributes using formal geometry vocabulary	**Units:**	

3.8A	**Analysis**		
Q3	**Type**	☒ Readiness ☐ Supporting	
A three-dimensional figure is shown below.	**Data**		
	**Process Standard**	3.14D	
	%	**Error Type**	
	A/F	☐ Procedural	
	***B/G**	☐ Application	
	C/H	☐ Conceptual	
	D/J	☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4
How many vertices does this figure have?			
A 10			
B 16			
C 24			
D 8			
*** Correct answer (B)**			

3.8A	**Analysis**		
Q17	**Type**	☒ Readiness ☐ Supporting	
Ava drew the figures below on her paper.	**Data**		
	Process Standard		
	%	**Error Type**	
	A/F	☐ Procedural	
	B/G	☐ Application	
	C/H	☐ Conceptual	
	***D/J**	☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4
Which statement about these figures is true?			
A They are all hexagons.			
B They are all pentagons.			
C They are all quadrilaterals.			
D They are all polygons.			
*** Correct answer (D)**			

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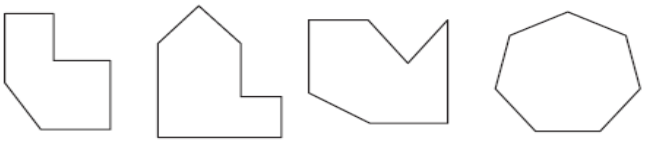
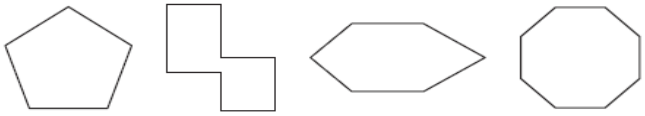
3.8A

Q26

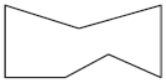
Naomi drew these figures and called them *serzas*.

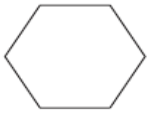


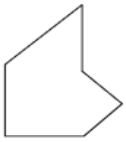
These are not *serzas*.

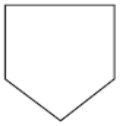


Which figure is a *serza*?

F 

H 

G 

J 

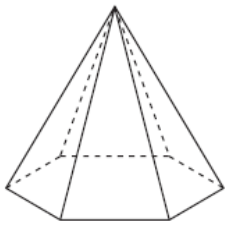
*** Correct answer (F)**

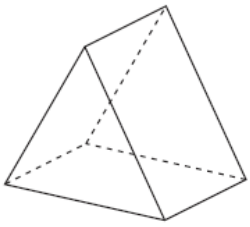
Analysis		
Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.16A	
	%	**Error Type**
A/F*		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

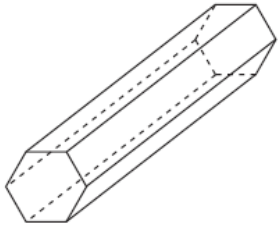
3.8A

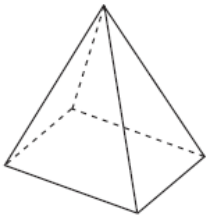
Q33

Which figure has exactly 12 edges?

A 

C 

B 

D 

*** Correct answer (A)**

Analysis		
Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.14D	
	%	**Error Type**
***A/F**		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question

SE 3.9A	RC: 3

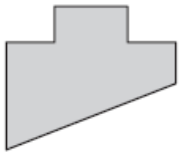
3.9A identify congruent two-dimensional figures

Units:

3.9A

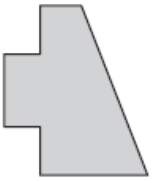
Q7

Sarah drew and shaded the figure shown below.



Which figure appears to be congruent to the one Sarah drew?

A



C

B

D

*** Correct answer (A)**

Analysis

Type	☐ Readiness ☒ Supporting
Data	
Process Standard	

	%
***A/F**	
B/G	
C/H	
D/J	

Error Type
☐ Procedural
☐ Application
☐ Conceptual
☐ Guessing

Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

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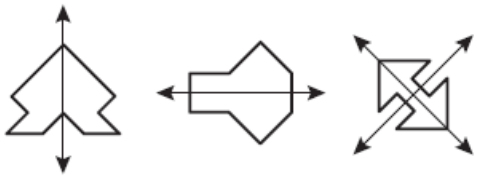
IQ Analysis | Investigating the Question	SE 3.9C	RC: 3
3.9C identify lines of symmetry in two-dimensional geometric figures	**Units:**	

3.9C

Q44

The figures below all have a common characteristic.



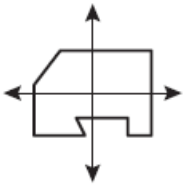
These figures do not have the common characteristic.

Which figure also has the common characteristic?

F

H

G



J

*** Correct answer (J)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.16A	
	%	**Error Type**
A/F		☐Procedural
B/G		☐Application
C/H		☐Conceptual
D/J*		☐Guessing
Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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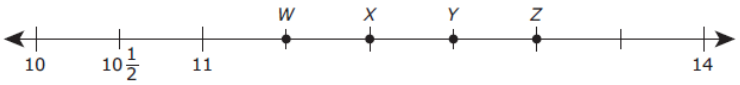
IQ Analysis | Investigating the Question	SE 3.10A	RC: 3
3.10A locate and name points on a number line using whole numbers and fractions, including halves and fourths	**Units:**	

3.10A	**Analysis**		
Q1 **1** Which point best represents 13 on the number line below?  **A** Point *W* **B** Point *X* **C** Point *Y* **D** Point *Z* *** Correct answer (D)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14C	
	% **A/F** **B/G** **C/H** ***D/J**	**Error Type** ☐ Procedural ☐ Application ☐ Conceptual ☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.10A	**Analysis**		
Q20 **20** What number does point *Y* best represent on the number line below? **F** 350 **G** 300 **H** 275 **J** 325 *** Correct answer (J)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14C	
	% **A/F** **B/G** **C/H** **D/J***	**Error Type** ☐ Procedural ☐ Application ☐ Conceptual ☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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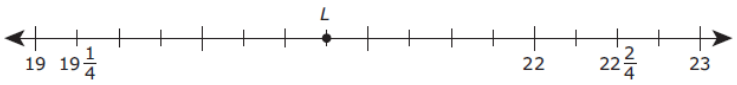
3.10A	Analysis		
Q37	**Type**	☒ Readiness ☐ Supporting	
37 What number does point *L* best represent on the number line below?	**Data**		
	**Process Standard**	3.14C	
A 21		**%**	**Error Type**
B $21\frac{2}{4}$	**A/F**		☐ Procedural
C $20\frac{3}{4}$	**B/G**		☐ Application
D $20\frac{2}{4}$	***C/H**		☐ Conceptual
	D/J		☐ Guessing
*** Correct answer (C)**			
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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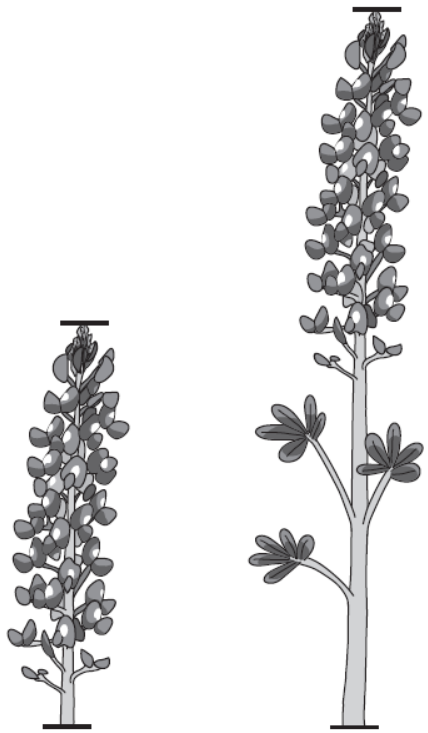
IQ Analysis | Investigating the Question	SE 3.11A	RC: 4
3.11A use linear measurement tools to estimate and measure lengths using standard units	**Units:**	

3.11A

Q25

Haley saw two bluebonnets like the ones shown below. Use the ruler provided to measure the height of each bluebonnet to the nearest centimeter.



What is the difference between the heights of these two bluebonnets?

A 13 cm

B 7 cm

C 25 cm

D 16 cm

*** Correct answer (B)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14D	
	%	**Error Type**
A/F		☐Procedural
***B/G**		☐Application
C/H		☐Conceptual
D/J		☐Guessing
Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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3.11A	Analysis		
Q42 Ian has a paintbrush that is $5\frac{1}{2}$ inches long. Use the ruler provided to measure the length of the line segment below each paintbrush to the nearest $\frac{1}{2}$ inch. Which paintbrush is closest to $5\frac{1}{2}$ inches? F G H J *** Correct answer (G)**	**Type**	☐ Readiness ☒ Supporting	
	Data		
	Process Standard	3.14D	
	% **A/F** **B/G*** **C/H** **D/J**	**Error Type** ☐Procedural ☐Application ☐Conceptual ☐Guessing	
	Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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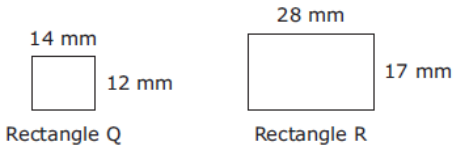
IQ Analysis | Investigating the Question	SE 3.11B	RC: 4
3.11B use standard units to find the perimeter of a shape	**Units:**	

3.11B

Q15

The dimensions of two rectangles are shown below.



Which statement about these rectangles is true?

A The perimeter of Rectangle Q is 19 millimeters less than the perimeter of Rectangle R.

B The perimeter of Rectangle Q is 38 millimeters less than the perimeter of Rectangle R.

C The perimeter of Rectangle Q is 14 millimeters less than the perimeter of Rectangle R.

D The perimeter of Rectangle Q is 42 millimeters less than the perimeter of Rectangle R.

*** Correct answer (B)**

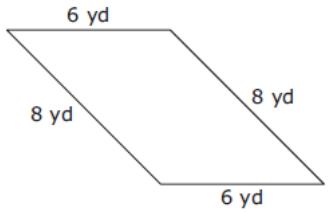
Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.14B	
	%	**Error Type**
A/F		☐ Procedural
***B/G**		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.11B

Q27

The side lengths of Terry's sandbox are shown below.



Terry buys 30 yards of fence. Does he have enough fence to go completely around his sandbox?

A No, because $8 \times 4 = 32$ and $32 > 30$

B Yes, because $8 + 6 = 14$ and $14 < 30$

C No, because $8 \times 6 = 48$ and $48 > 30$

D Yes, because $8 + 6 + 8 + 6 = 28$ and $28 < 30$

*** Correct answer (D)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.16B	
	%	**Error Type**
A/F		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
***D/J**		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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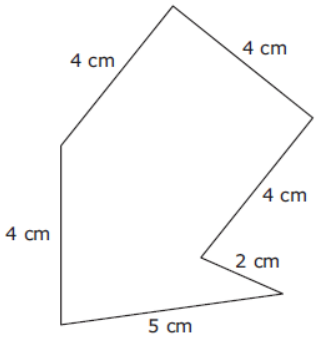
3.11B	Analysis		
Q35 The side lengths of a figure are shown below.  What is the perimeter of the figure in centimeters? Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value. *** Correct answer (23)**	**Type**	☒ Readiness ☐ Supporting	
	Data		
	Process Standard	3.14B	
	% **A/F** **B/G** **C/H** **D/J**	**Error Type** ☐ Procedural ☐ Application ☐ Conceptual ☐ Guessing	
	Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
	Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question

SE 3.11C	RC: 4

3.11C use concrete and pictorial models of square units to determine the area of two-dimensional surfaces

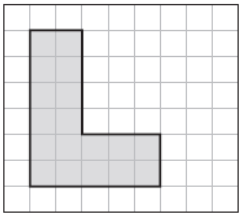
Units:

3.11C

Q6

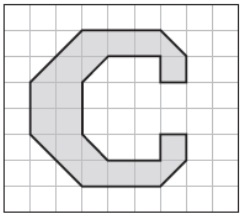
Which of the following shaded letters does **NOT** have an area of 18 square units?

F



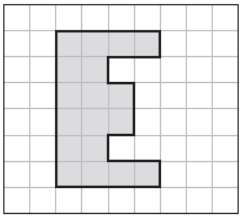
☐ = 1 square unit

H



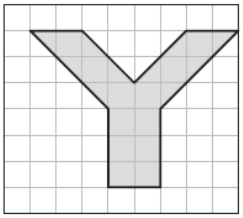
☐ = 1 square unit

G



☐ = 1 square unit

J



☐ = 1 square unit

*** Correct answer (J)**

Analysis

Type	☐ Readiness ☒ Supporting
Data	
Process Standard	3.14D

	%
A/F	
B/G	
C/H	
D/J*	

Error Type
☐ Procedural
☐ Application
☐ Conceptual
☐ Guessing

Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

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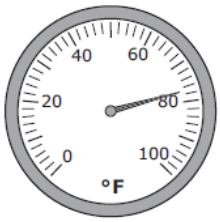
IQ Analysis | Investigating the Question	SE 3.12A	RC: 4
3.12A use a thermometer to measure temperature	**Units:**	

3.12A

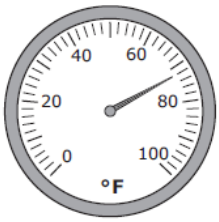
Q13

The outside temperature on a summer morning was between 75°F and 80°F. Which thermometer shows a temperature between 75°F and 80°F?

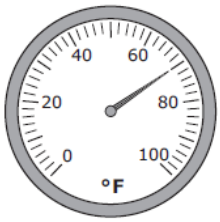
A



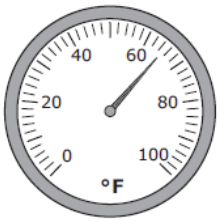
C



B



D



*** Correct answer (A)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14A	
	%	**Error Type**
***A/F**		☐Procedural
B/G		☐Application
C/H		☐Conceptual
D/J		☐Guessing
Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question

SE 3.12B	RC: 4

3.12B tell and write time shown on analog and digital clocks

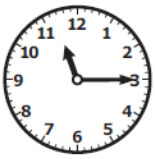
Units:

3.12B

Q40

The clocks below show the times that Reid started and finished computer class one morning.

Start



Finish

Which digital clock shows a time when Reid was in computer class?

F

H

G

J

*** Correct answer (H)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14D	
	%	**Error Type**
A/F		☐Procedural
B/G		☐Application
C/H*		☐Conceptual
D/J		☐Guessing
Taught v. learned	☐Similar to examples (taught) ☐Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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IQ Analysis | Investigating the Question

SE 3.13A	RC: 5

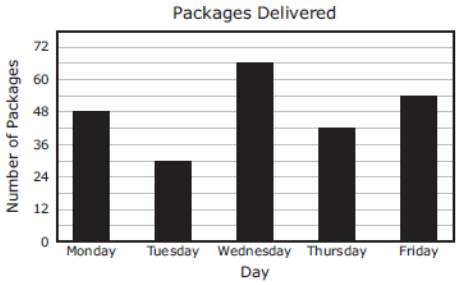
3.13A collect, organize, record, and display data in pictographs and bar graphs where each picture or cell might represent more than one piece of data

Units:

3.13A

Q4

The graph below shows the number of packages Blanca delivered on five days.



Which table best represents the information in the graph?

F

Packages Delivered

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of Packages	48	30	66	54	42

G

Packages Delivered

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of Packages	48	36	72	48	60

H

Packages Delivered

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of Packages	48	30	66	42	54

J

Packages Delivered

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Number of Packages	48	30	42	66	54

*** Correct answer (H)**

Analysis

Type	☒ Readiness ☐ Supporting
Data	
Process Standard	3.14A

	%
A/F	
B/G	
C/H*	
D/J	

Error Type
- ☐ Procedural
- ☐ Application
- ☐ Conceptual
- ☐ Guessing

Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

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Source: Texas Education Agency STAAR™ Released Test Questions

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3.13A

Q21

The table below shows the number of games won by four people during a sporting event.

Games Won

Name	Number of Games Won
Yolanda	48
William	32
Barbara	36
Javier	60

The pictograph below represents the same information.

Games Won

Yolanda	
William	
Barbara	
Javier	

Which key completes the pictograph?

A Each means 8 games won.

B Each means 2 games won.

C Each means 6 games won.

D Each means 4 games won.

*** Correct answer (A)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.14B	
	%	**Error Type**
***A/F**		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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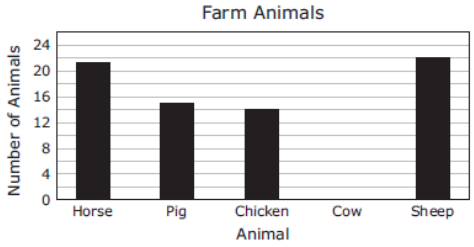
3.13A

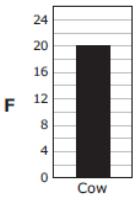
Q38

The graph below shows the number of each kind of animal on a farm. The bar for the number of cows on the farm is missing.

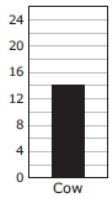


There is a total of 82 animals on the farm. Which bar completes the graph?

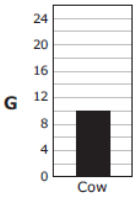
F



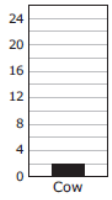
H



G



J



*** Correct answer (G)**

Analysis

Type	☒ Readiness ☐ Supporting	
Data		
Process Standard	3.14B	
	%	**Error Type**
A/F		☐ Procedural
B/G*		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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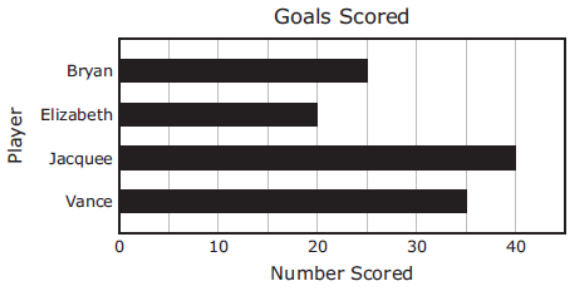
IQ Analysis | Investigating the Question	SE 3.13B	RC: 5
3.13B description interpret information from pictographs and bar graphs	**Units:**	

3.13B

Q28

The graph below shows the number of goals four players scored during a soccer season.



Based on the graph, what is the difference between the number of goals Vance scored and the number of goals Elizabeth scored?

F 15

G 3

H 20

J 10

*** Correct answer (F)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14B	
	%	**Error Type**
A/F*		☐ Procedural
B/G		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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Source: Texas Education Agency STAAR™ Released Test Questions

IQ Analysis | Investigating the Question	SE 3.13C	RC: 5
3.13C use data to describe events as more likely than, less likely than, or equally likely as	**Units:**	

3.13C

Q10

A store has different flavors of jelly in jars. The table below shows the number of jars of each flavor of jelly.

Jars of Jelly

Flavor	Number of Jars
Grape	17
Apple	8
Strawberry	14
Peach	11
Orange	6
Blackberry	8

If 1 jar is chosen at random, which two flavors of jelly have an equal chance of being chosen?

F Strawberry and peach

G Apple and blackberry

H Orange and blackberry

J Grape and strawberry

*** Correct answer (G)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14A	
	%	**Error Type**
A/F		☐ Procedural
B/G*		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

3.13C

Q31

Pam has 18 gold medals, 12 silver medals, and 9 bronze medals in a box. She will choose 1 of these medals at random. Which statement about Pam's choice is true?

A It is certain that Pam will choose a gold medal.

B Pam is less likely to choose a bronze medal than a silver medal.

C Pam is more likely to choose a silver medal than a gold medal.

D It is impossible for Pam to choose a bronze medal.

*** Correct answer (B)**

Analysis

Type	☐ Readiness ☒ Supporting	
Data		
Process Standard	3.14A	
	%	**Error Type**
A/F		☐ Procedural
***B/G**		☐ Application
C/H		☐ Conceptual
D/J		☐ Guessing
Taught v. learned	☐ Similar to examples (taught) ☐ Requires application (learned)	
Question Level (Depth of Knowledge)	☐ Level 1 ☐ Level 2	☐ Level 3 ☐ Level 4

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