David wants to create the L-shaped desk shown. He decides to buy two rectangular desks and put them together.

- Drag numbers into the boxes to show the missing dimensions.
- Use the Connect Line tool to draw a line dividing the diagram into two desks. Make each desk 5 feet by 2 feet.
- What is the total area of the L-shaped desk? Drag numbers into the box to show your answer.

For this item, a full-credit response (3 points) includes:

- a vertical line that extends the 3 ft side to the 7ft side
  AND
- 5 in both boxes of part A
  AND
- 20 in the box labeled “Total area”

For partial credit, a student

- completes one of the above tasks for 1 point each
  OR
- inputs the correct area based on incorrect dimensions (2 points)
Use this number line to answer the question that follows.

Choose all the number lines that show a fraction equal to the fraction shown by point $P$.

For this item, a full-credit (1 point) response includes:

- option A
  AND
- option B
Look at the figure.

Each square in the figure is 1 square unit.

Which equation shows the area of this figure in square units?

A  $8 + 6 + 6 + 6 = 28$ square units
B  $8 + 8 + 8 + 8 = 40$ square units
C  $6 + 6 + 6 + 6 + 6 + 6 = 42$ square units
D  $6 + 6 + 6 + 6 + 6 + 6 + 6 = 48$ square units

For this item, a full-credit response (1 point) includes:

- option D
Lisa had 3 pizzas. Each pizza was cut into 8 pieces. Lisa ate 2 pieces. How many pieces were left? Write an equation to show how many pieces were left.

For this item, a full-credit response (2 point) includes:

- a correct equation such as, $3 \times 8 - 2 = 22$

For partial credit (1 point), a student

- creates an expression equivalent to $3 \times 8 - 2$
  OR
- inputs the value 22
Joanna has the following blocks:

- 2 hundreds
- 16 tens
- 5 ones

Lynn thinks that Joanna cannot model 342 with the blocks she has.

Click blocks to show that Lynn is incorrect.

For this item, a full-credit response (1 point) includes:

- 2 hundreds, 14 tens, and 2 ones
Robert makes the following statement.

“When comparing two fractions with a numerator of 1, the fraction with the bigger denominator is greater.”

Drag each fraction to the correct location on the number line to find out if Robert’s statement is true.

For this item, a full-credit response (3 points) includes:

- three fractions placed correctly

AND

- a check in the “No” box

For partial credit, a student

- graphs the fractions in an incorrect position but answers the question correctly (2 points)
  OR
- incorrectly answers the question but graphs the fractions correctly (1 point)
Choose all the shapes that are quadrilaterals.

- □ 
- □ 
- □ 
- □ 
- □ 
- □ 

For this item, a full-credit response (1 point) includes:

- option A
  AND
- option C
A city park is in the shape of a rectangle. The park is 55 feet wide and 120 feet long.

What is the perimeter of the park?

A  350 ft  
B  295 ft  
C  230 ft  
D  175 ft  

For this item, a full-credit response (1 point) includes:

- option A
Solve the problem.

$904 - 256 = \square$

For this item, a full-credit response (1 point) includes:

- the value 648
A pencil has a mass of 25 grams. An apple has a mass that is 75 grams more than the pencil. What is the mass of the apple?

A  50 g  
B  75 g  
C  90 g  
D  100 g

For this item, a full-credit response (1 point) includes:

- option D
For this item, a full-credit response (1 point) includes:

- the value 3
Look at these figures.

Figure A  Figure B

Figure C  Figure D

Figure E  Figure F

Part A

Susan says that all of the figures are parallelograms because they have exactly four sides. Is she correct? Explain your answer.

For this item, a full-credit response (1 point) includes:

- stating that Susan is incorrect and an explanation as to why she is incorrect

For example,

- “No, because parallelograms have two pairs of parallel sides.”
  OR
- “She is incorrect, because some of the figures do not have two pairs of parallel sides.”
For this item, an incorrect response (0 points) includes:

- stating that Susan is correct
  OR
- stating that Susan is incorrect and giving an incorrect explanation

For example,

- “No, because parallelograms need to have 4 sides.”
  OR
- “She is correct, because parallelograms only need 4 angles.”

*This item is not graded on spelling or grammar.*
Look at these figures.

For this item, a full-credit response (1 point) includes:

- a correct term that categorizes all of the figures by their number of sides

For example,

- “Quadrilaterals”

For this item, an incorrect response (0 points) includes:

- any term not synonymous with “quadrilaterals”

Continued on next page
For example,

- “Triangles”

*This item is not graded on spelling or grammar.*
Choose all the expressions that are equal to the product of 3 and 7.

- $2 \times 7 + 1 \times 7$
- $(7 \times 5) - 2$
- $(3 \times 4) + (3 \times 5)$
- $3 \times (7 \times 1)$

For this item, a full-credit response (1 point) includes:

- option A
  
  AND

- option D
For this item, a full-credit response (1 point) includes:

- all four fractions placed correctly
For this item, a full-credit response (1 point) includes:

- 6 chairs
Jeff has 27 apples. He needs to divide them equally into 3 bags.

How many apples will be in each bag?

For this item, a full-credit response (1 point) includes:

- the value 9
Jen has 5 stacks of quarters. Lee has 9 stacks of quarters. Each stack of quarters is worth $10. How much more money, in dollars, does Lee have than Jen?

For this item, a full-credit response (2 points) includes:

- the value 40

For partial credit (1 point), the student inputs the value 4.
Each page in a picture album has 3 rows, and 4 pictures fit in each row. How many pictures fit on each page?

A 9
B 11
C 12
D 15

For this item, a full-credit response (1 point) includes:

- option C
For this item, a full-credit response (1 point) includes:

- 20 blue pencils represented by bars
  AND
- 40 green pencils represented by bars
For questions 1a-1d, choose Yes or No to show if the number 7 will make each equation true.

1a.  6 \times \square = 36  \quad \bigcirc \text{ Yes} \quad \bigcirc \text{ No}

1b.  8 \times \square = 64  \quad \bigcirc \text{ Yes} \quad \bigcirc \text{ No}

1c.  49 \div \square = 7  \quad \bigcirc \text{ Yes} \quad \bigcirc \text{ No}

1d.  54 \div \square = 6  \quad \bigcirc \text{ Yes} \quad \bigcirc \text{ No}

For this item, a full-credit response (1 point) includes:

- No
  
  \text{AND}

- No
  
  \text{AND}

- Yes
  
  \text{AND}

- No