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Directions for Completing the Response Grids

1. Work the problem, and find an answer.

2. Write your answer in the answer boxes at the top of the grid in the Student Test Booklet.
   - Write only one digit or symbol in each answer box.
   - Be sure to write a decimal point or fraction bar in the answer box if it is a part of the answer.

3. Fill in a bubble under each box in which you wrote your answer in the Student Test Booklet.
   - Fill in one and ONLY one bubble for each answer box. Do NOT fill in a bubble under an unused answer box.
   - Fill in each bubble by making a solid mark that completely fills the circle.
   - You MUST fill in the bubbles accurately to receive credit for your answer.
You can record a mixed number in several different ways. You can write it as:

<table>
<thead>
<tr>
<th>a. A whole number and a fraction (5 1/2). Be sure to include a space between the whole number and the fraction.</th>
<th>b. An equivalent fraction (11/2)</th>
<th>c. An equivalent decimal (5.5)</th>
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<tr>
<td>5 1 / 2</td>
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<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
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NOTE: The question numbers in this Released Items Paper Test Booklet match the question numbers in the corresponding Item Release Scoring Guide available on the portal and the item numbers in the Item Level Report in the Online Reporting System.

Directions:

1. Read each question carefully. Think about what is being asked. Look carefully at graphs or diagrams because they will help you understand the question. Then, choose or write the answer you think is best.

2. Use only a #2 pencil to answer questions on this test.

3. For questions with bubbled responses, fill in the circle next to your answer choice. If you change your answer, make sure you erase your old answer completely. Do not cross out or make any marks on the other choices.

4. For questions with response boxes, write your answer neatly, clearly and only in the space provided. Answers written outside of the space provided will not be scored.

5. If you do not know the answer to a question, skip it and go on to the next question. If you have time, go back to the questions you skipped and try to answer them before turning in your Student Test Booklet.

6. Check over your work when you are finished.
7. The graph shows the colors of students’ backpacks in a third-grade class.

![Colors of Backpacks Graph]

<table>
<thead>
<tr>
<th>Color</th>
<th>Number of Students</th>
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<tr>
<td>Black</td>
<td>10</td>
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<tr>
<td>Blue</td>
<td>4</td>
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<tr>
<td>Gray</td>
<td>6</td>
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<tr>
<td>Purple</td>
<td>2</td>
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<tr>
<td>Red</td>
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How many more students have black backpacks than have blue backpacks?
8. A girl has the candy bar shown.

![Candy bar diagram]

She breaks it into thirds. She gives $\frac{1}{3}$ of the candy bar to a friend.

Which model shows the fraction of the candy bar the girl has left?

A  

![Model A]

B  

![Model B]
C

D
9. An equation is shown.

\[ 263 - 115 - 36 = \_ \]

What is the missing number?
10. A patio is shown.

What is the area, in square meters (sq m), of the patio?

- A 46 square meters
- B 56 square meters
- C 110 square meters
- D 126 square meters
13. A group of 9 people is ordering pizza. Each person will get 2 slices of pizza. Each pizza has 6 slices.

How many pizzas should the group order?

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21. Select the **two** shapes that are quadrilaterals.
23. This question has two parts. First, answer part A. Then, answer part B.

A. Round 436 to the nearest 10. Enter the number in the first response grid.

B. Round 436 to the nearest 100. Enter the number in the second response grid.
24. A girl makes 36 bracelets. She gives an equal number of bracelets to each of her 9 friends.

Which expression shows how many bracelets she gives to each friend?

A $36 + 9$
B $36 - 9$
C $36 \times 9$
D $36 \div 9$
25. Molly and Janet have beakers of the same size. The beakers are filled with different amounts of water as shown.

Janet’s beaker contains 7 milliliters (mL) of water.

About how many milliliters of water does Molly’s beaker contain?

A 2 mL
B 5 mL
C 7 mL
D 9 mL
26. There are 9 students in the art club. The teacher gave each student 10 feathers.

What is the total number of feathers that the teacher gave to the students?
27. An artist made a poster that is 6 feet tall and 4 feet wide.

What is the perimeter, in feet, of the poster?
28. A fraction model is shown.

A. What fraction represents the shaded area of the fraction model?

B. Explain how you found your answer.

Write your answer in the space provided.
33. Bryson has 40 books. He divides them into 5 stacks with an equal number of books in each stack.

He uses the division equation 40 ÷ 5 = □ to find how many books are in each stack.

In the space provided, enter a multiplication equation that shows the number of books in each stack.
40. Draw and label both points on the number line to correctly plot the fraction $\frac{1}{3}$.
41. Select the **two** rectangles that have an area of 12 square units.

A

B

C

D

E
42. Enter the unknown value in each equation.

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