

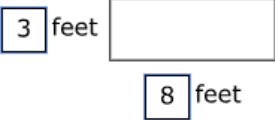
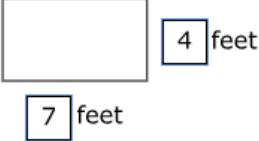
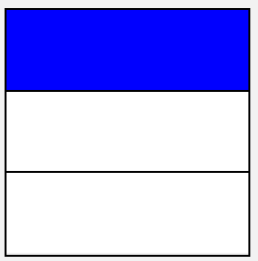



Practice Test Answer and Alignment Document
Mathematics – Grade 3

Part A

Item Number	Answer Key	Kentucky Academic Standard	Mathematical Practices
1.	185 or equivalent number	KY.3.NBT.2	MP.2
2.		KY.3.MD.1	MP.1, MP.4
3.	D	KY.3.OA.6	MP.2
4.	$\frac{4}{6}$ or equivalent number	KY.3.NF.1	MP.2
5.	B, E	KY.3.OA.5	MP.2, MP.7

Part B

Item Number	Answer Key	Kentucky Academic Standard	Mathematical Practices
1.	<p>Part A</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Rectangle M</p>  </div> <div style="text-align: center;"> <p>Rectangle P</p>  </div> </div> <p>Part B See rubric</p>	KY.3.MD.8.c	MP.2
2.	<p>A</p>	KY.3.G.1.b	MP.7
3.	<p>Part A</p>  <p style="text-align: center;">Fewer More Reset</p> <p>or equivalent fraction</p> <p>Part B See rubric</p>	KY.3.G.2	MP.5
4.	65 or equivalent number	KY.3.MD.7.d	MP.1, MP.8
5.	<p>Divide each <input type="text" value="shaded and unshaded"/> part equally so that there are <input type="text" value="6"/> out of <input type="text" value="8"/> parts shaded.</p>	KY.3.NF.3.b	MP.2, MP.7
6.		KY.3.NBT.1	MP.5, MP.7

Rubrics

Part B #1	
Rubric	
The total item score is the sum of points awarded in the Machine-scored and Human-scored parts.	
Machine Scoring	
Score Point 1	Part A 3 in gap1; 8 in gap2, 4 in gap3, and 7 in gap4 OR 3 in gap1; 8 in gap2, 7 in gap3, and 4 in gap4 OR 8 in gap1; 3 in gap2, 7 in gap3, and 4 in gap4 OR 8 in gap1; 3 in gap2, 4 in gap3, and 7 in gap4
Score Point 0	Student response is incorrect.
Human Scoring	
Score Point 1	Student demonstrates a complete understanding of solving a real-world problem using rectangles with the same perimeter and different areas.
Score Point 0	Student response is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.
Score Points	Part B <ul style="list-style-type: none"> Score 1 point: Human-scored Complete explanation of why a width of 4 feet provides the greater area.
Correct Answer	Part B For a width of 3 feet, the area is $3 \times 8 = 24$ square feet. For a width of 4 feet, the area is $4 \times 7 = 28$ square feet. So, a width of 4 feet gives a greater area.

Part B #3	
Rubric	
The total item score is the sum of points awarded in the Machine-scored and Human-scored parts.	
Machine Scoring	
Score Point 1	Part A Student response is $\frac{1}{3}$.
Score Point 0	Student response is incorrect.
Human Scoring	
Score Point 1	Student demonstrates a complete understanding of partitioning a shape into parts with equal areas and expressing the area of each part as a unit fraction of the whole.
Score Point 0	Student response is insufficient to demonstrate a grade-appropriate, relevant understanding of the task.
Score Points	Part B <ul style="list-style-type: none"> Score 1 point: Human-scored <ul style="list-style-type: none"> Complete explanation referencing the area of the parts with the unit fraction identified.
Correct Answer	Part B The shaded part represents 1 out of the 3 equal areas of the rectangle so the unit fraction $\frac{1}{3}$ can be used to represent the shaded part because of $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = 1$.