Sample Problems answers

Written Test:
1. A
2. D
3. B
4. D
5. C
6. D
7. B
8. C
9. B
10. C
11. B
12. A
13. Son's age = 13
14. 300 square feet
15. 624 9/11 or 625 bananas
16. 15 types of pizza
17. 1 out of 5 or 20%
18. 3 hours and 45 minutes

Finals Competition:
1. Multiple answers are possible as long as the perimeters equal the requirements.
2. The output value equals six times the input value minus nine, or any similar answer.
3. Janet's mother is 25 years old and Janet is 4 years 2 months.
4. 17,576
5. $50,123 - 49,876 = 247$
6. 64
7. Students should see that a blue equals 9 whites, a light green equals 3 whites, and a yellow equals 5 whites. Thus the white is 1/9 of the blue, the light green is 1/3, and the yellow is 5/9.
8. Students should see that the yellow hexagon equals 6 green triangles (2.58 in^2), the red trapezoid equals three triangles (1.29 in^2), and the blue parallelogram equals two triangles (0.86 in^2)