

### Pre-Algebra Problem Set 5 Answers

1. a)  $x = 13$     b)  $x = 87$     c)  $x = 18$     d)  $x = 50$

2. The points aren't actually highlighted – sorry about that. (2, 1), (6, 1), (4, 7)

3. C

4. -2   0   0.4    $\frac{1}{2}$     $\frac{5}{8}$    1.1    $\frac{5}{3}$    2

5. a)  $1\frac{1}{2}$  muffins    b)  $\frac{1}{2}$  muffin    *Show why.*

6.  $\frac{1}{2}$     *Show why.*

7. a) Area =  $144 \text{ cm}^2$     b) Area =  $22 \text{ in}^2$     c) Area =  $696.7 \text{ m}^2$   
Perimeter = 52 cm    Perimeter = 25.05 in    Perimeter = 139.72 m

8. a)  $\frac{3}{4}$  *Explain why.*    b) 15 times *Explain why.*

9.  $1\frac{5}{8}$  cup

10. 12 cups flour and 18 eggs *Explain why.*

11. a)  $1\frac{11}{20}$     b)  $\frac{16}{35}$     c)  $1\frac{5}{24}$     d)  $\frac{2}{9}$

12. Disagree with Linh. *Explain why.*

13. a) 1100 yards    b) 11 times around the park

14. Many possibilities for each type of shape.

