

## Unit 3.3B Day 1 Worksheet Answers

1. Perimeter ratio =  $\frac{5}{7}$ , Area ratio =  $\frac{25}{49}$
2. Similarity ratio =  $\frac{3}{8}$ , Area ratio =  $\frac{9}{64}$
3. Similarity ratio =  $\frac{2}{13}$ , Perimeter ratio =  $\frac{2}{13}$
4. Perimeter ratio =  $\frac{11}{4}$ , Area ratio =  $\frac{121}{16}$
5. Area of A = 20 in<sup>2</sup>, Perimeter of B = 30 in
6. Perimeter of A = 165 in, Area of B = 64 in<sup>2</sup>
7. Perimeter of A = 144 ft, Area of B = 450 ft<sup>2</sup>
8. Area of A = 24 m<sup>2</sup>, Perimeter of B = 98 m
9. 210 *cm*
10. 8 *cm*
11. 24 in<sup>2</sup>
12. 45 cm
13. 161 in
14.  $\frac{153}{4}$  ft<sup>2</sup> or 38.25 ft<sup>2</sup>
15. Answers vary; 24 units
16. a = 94, b = 181, SUM = 275
17. a = 4, b = 7, SUM = 11