Varied Fluency
Calculating Scale Factors

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Developing

1a. **3**
2a. **Yes**
3a. **A = 2cm**
4a. **B = 6cm; C = scale factor 6**

Developing

1b. **2**
2b. **No, shape A has increased by a scale factor of 2 to create shape B.**
3b. **B = 6cm**
4b. **B = 8cm; C = scale factor 4**

Expected

5a. **true**
6a. **No, she has used a scale factor of 3.**
7a. **A = 5cm; B = 15cm**
8a. **B = 15cm; C = scale factor 4.5**

Expected

5b. **False, shape A has been increased by a scale factor of 2 to create shape B.**
6b. **Yes, he is correct.**
7b. **A = 12cm; B = 20cm**
8b. **B = 28cm; C = scale factor 6.5**

Greater Depth

9a. **False. Shape A has been increased by a scale factor of 1.5 to create shape B.**
10a. **Yes, he is correct.**
11a. **A = 4.9cm; B = 2.8cm**
12a. **B = 16.25cm; C= scale factor 3**

Greater Depth

9b. **true**
10b. **No, she has used a scale factor of 3.**
11b. **A = 1.75cm; B. 4.2cm**
12b. **B = 12.25cm; C = scale factor 5**

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