

Mrs. Gregory & Mrs. Postlethwaite's group – Reasoning and problem solving answers

Bronze

1a. 3.8, 6.1

2a. Yes. Any two lengths with a difference of 0.3m which round up to 8m (e.g. 7.6m and 7.9m) are acceptable evidence.

3a. 3.4

1b. 2.9, 7.4

2b. Yes. Any two lengths with a difference of 0.2m which round down to 2m (e.g. 2.1m and 2.3m) are acceptable evidence.

3b. 7.8

Silver

4a. Various possible answers, for example: 1.8, 7.2, 8.5.

5a. Yes. Any two lengths with a difference of 0.6m, which round to 6m (e.g. 5.5m and 6.1m) are acceptable evidence.

6a. 9.5

4b. Various possible answers, for example: 4.7, 6.3, 0.9

5b. Yes. The two lengths with a difference of 0.9m, which round to 4m (3.5m and 4.4m) are acceptable evidence.

6b. 8.4

Gold

7a. Various possible answers, for example: 1 and 2 tenths (1.2), 8 and 8 tenths (8.8), 5 and 3 tenths (5.3).

8a. Yes. Any two lengths with a difference of 0.6m, which round to 5m (e.g. 4.6m and 5.2m) are acceptable evidence.

9a. 3.9

7b. Various possible answers, for example: 4 and 4 tenths (4.4), 1 and 5 tenths (1.5) and 8 and 3 tenths (8.3).

8b. Yes. Any two lengths with a difference of 0.7m, which round to 10m (e.g. 9.5m and 10.2m) are acceptable evidence.

9b. 4.8