**AWM UNIT 6 – SCALE REPRESENTATIONS – ANSWERS**

**ASSIGNMENT 1 – SOLVING PROPORTIONS**

1) 1 2) 11 3) 17.9 4) 14.4 5) 165.6 6) 17 7) Dorothy is 35 years old.

**ASSIGNMENT 2 – WORKING WITH SCALE DIAGRAMS**

1) scale statement = 20꞉80, scale factor = ¼ 2) SS=4.25:850 SF=1/200 3) SS=2.25꞉67500000

SF= 1/30 000 000 4) 6.3 m 5a) 82꞉4100 b) 1/50 c) 9 m d) 5.0 cm

6) 86 cm 7a) 1/5000 b) 1.9cm 8) 4.5 cm 9) 0.13 mm 10) 166m & 150 m