Measure and use a scale

Stage 06 | Transfer & Solve | 8 mixed items

Stage 06: Check a survey measurement

Transfer & Solve

Show your working or construction on paper. State units where asked. For questions 7 and 8, explain your method. Numerical entries may be rounded to 2 decimal places.

Name: _____ Date: _____

Work on separate paper. Plot and label figures; retain compass arcs. Give a reason for items 7 and 8.

1. On a 1 : 1000 survey plan, 2 cm is labelled 200 m. Is the label correct?

2. On a 1 : 2000 survey plan, 3.5 cm is labelled 700 m. Is the label correct?

3. On a 1 : 400 survey plan, 4.25 cm is labelled 170 m. Is the label correct?

4. On a 1 : 500 survey plan, 5 cm is labelled 250 m. Is the label correct?

5. A rectangle measures 6.5 cm by 2 cm on a map with 1 cm representing 8 m. Find its real perimeter in m.

6. A rectangle measures 7.5 cm by 2 cm on a map with 1 cm representing 12 m. Find its real perimeter in m.

7. Diagnose an error. On a 1 : 1000 survey plan, 2 cm is labelled 200 m. Is the label correct? A learner answers “Yes”. Give the correct answer and identify why the proposed answer fails.

8. Explain your choice. On a 1 : 2000 survey plan, 3.5 cm is labelled 700 m. Is the label correct?

Self-check after attempting: use the separate answer key on the skill page. Correct reasoning and a valid drawing matter as well as the final answer.

Mr. Devonish