Measure and use a scale

Stage 02 | Interpret | 8 mixed items

Stage 02: Interpret ruler and scale readings

Interpret

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. A ruler starts at 3 cm and ends at 7.25 cm. Find the length in cm.

2. A protractor shows 110° on the scale starting at zero on the base ray, and 70° on the other scale. Which reading is the angle?

3. A ruler starts at 5 cm and ends at 11.5 cm. Find the length in cm.

4. A protractor shows 140° on the scale starting at zero on the base ray, and 40° on the other scale. Which reading is the angle?

5. Which unit is suitable for an angle: cm, m or degrees?

6. Which unit is suitable for a ruler length: cm, m or degrees?

7. Diagnose an error. A ruler starts at 3 cm and ends at 7.25 cm. Find the length in cm. A learner answers “5.25”. Give the correct answer and identify why the proposed answer fails.

8. Explain your choice. A protractor shows 110° on the scale starting at zero on the base ray, and 70° on the other scale. Which reading is the angle?

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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.