Read and use angle facts

Stage 04 | Select & Adapt | 8 mixed items

Stage 04: Select a valid fact

Select & Adapt

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. Two adjacent angles form a straight line. One is 125°. Find the other.

2. Two adjacent angles form a straight line. One is 137.5°. Find the other.

3. Two adjacent angles form a straight line. One is 40°. Find the other.

4. Two adjacent angles form a straight line. One is 65°. Find the other.

5. Two lines intersect. One angle is 72.5°. Find its vertically opposite angle.

6. Two lines intersect. One angle is 110°. Find its vertically opposite angle.

7. Diagnose an error. Two adjacent angles form a straight line. One is 125°. Find the other. A learner answers “56”. Give the correct answer and identify why the proposed answer fails.

8. Explain your choice. Two adjacent angles form a straight line. One is 137.5°. Find the other.

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