Read shape properties

Stage 03 | Perform | 8 mixed items

Stage 03: Count prism features

Perform

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 prism has a 6-sided base. How many edges does it have?

2. A prism has a 8-sided base. How many faces does it have?

3. A prism has a 10-sided base. How many edges does it have?

4. A prism has a 3-sided base. How many faces does it have?

5. Two lines have matching arrows. What does this guarantee?

6. A corner has a small square. What does this guarantee?

7. Diagnose an error. A prism has a 6-sided base. How many edges does it have? A learner answers “19”. Give the correct answer and identify why the proposed answer fails.

8. Explain your choice. A prism has a 8-sided base. How many faces does it have?

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