



EGD Grade 10

Geometric Constructions

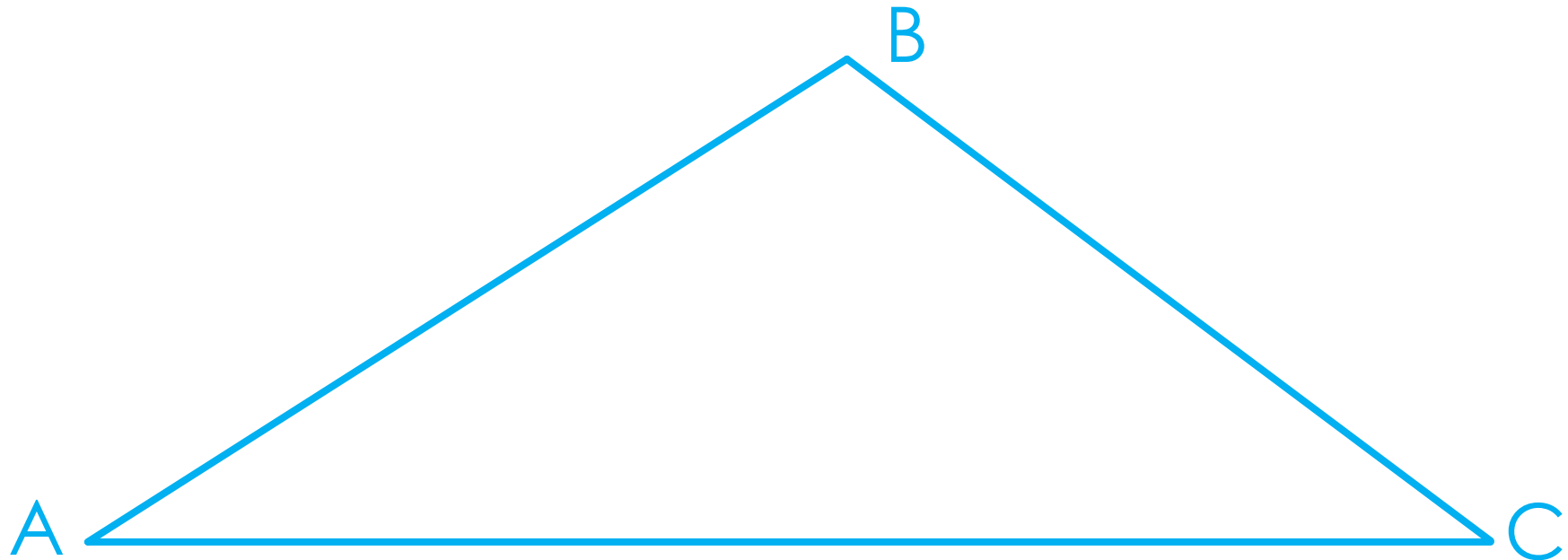
Draw an inscribed circle

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Geometric Constructions

Question

- By means of construction, draw an internal circle inside a triangle ABC



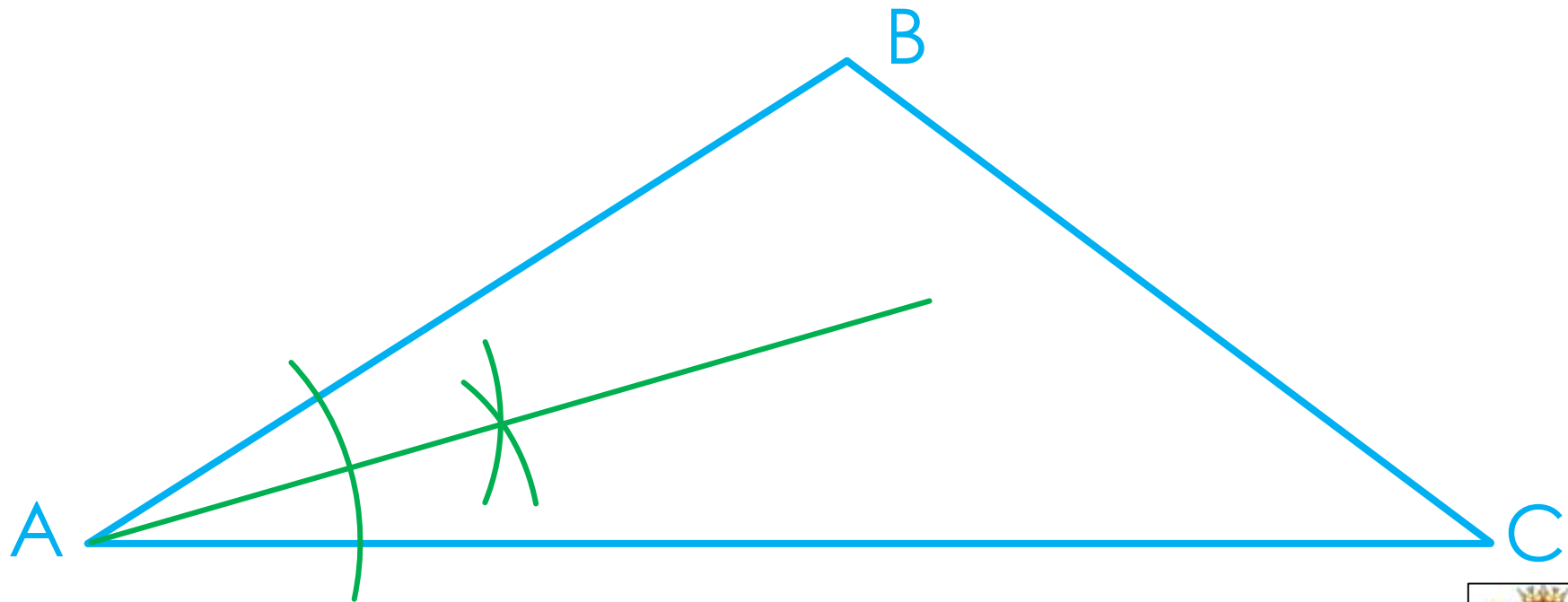
education

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Geometric Constructions

Step 1

- **Question:** Draw an internal circle inside a triangle ABC
- Bisect angle ABC.



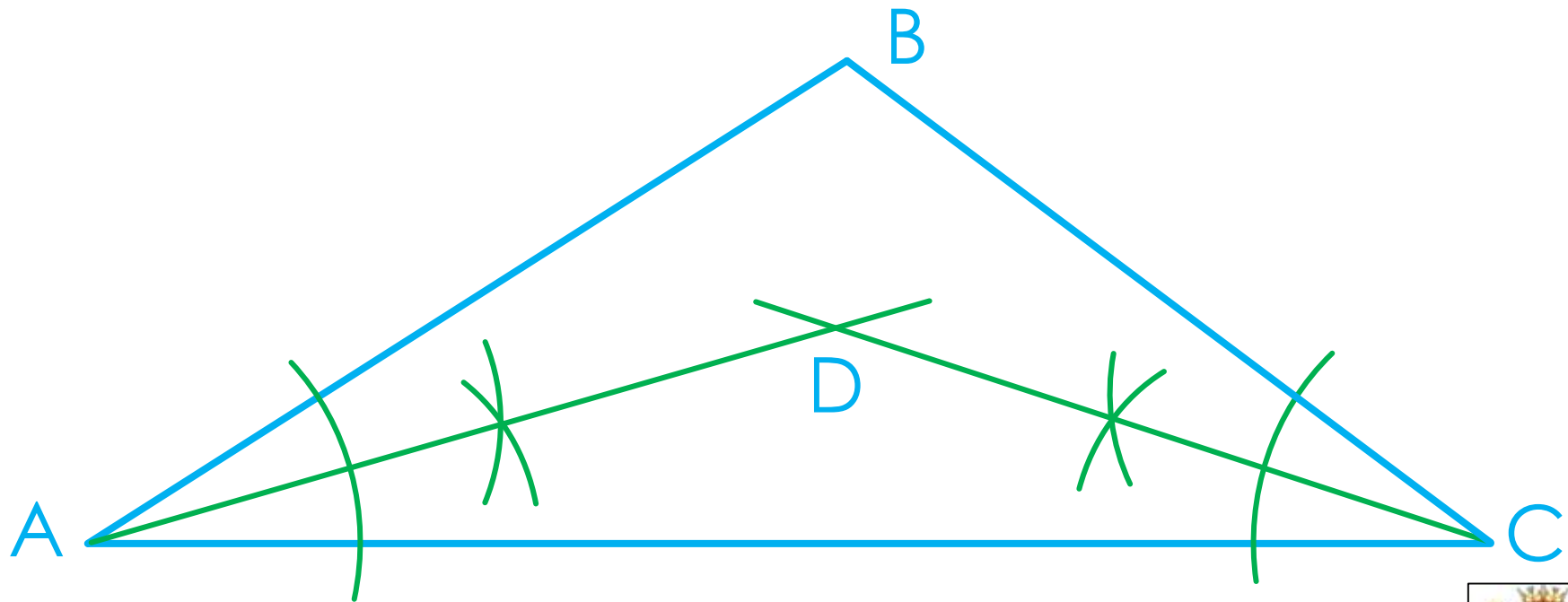
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Step 2

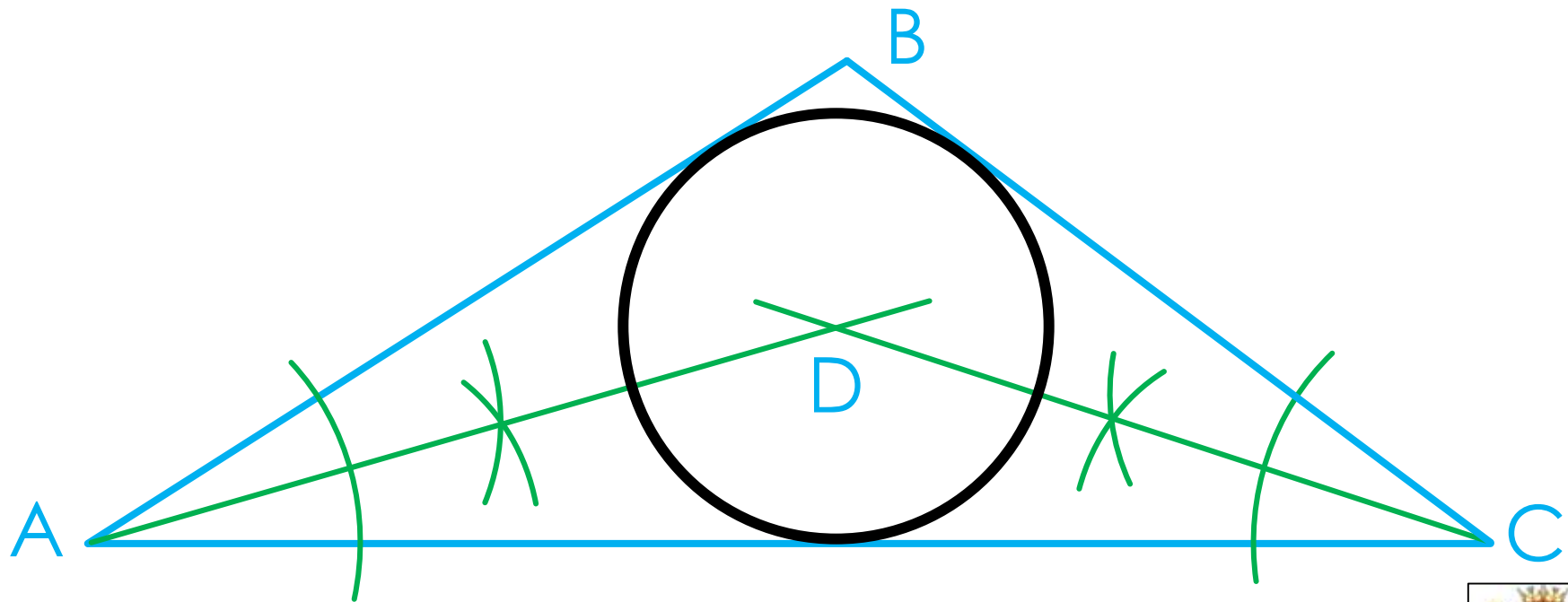
- **Question:** Draw an internal circle inside a triangle ABC
- Bisect angle BCA to find intersection point D.



Geometric Constructions

Step 3

- **Question:** Draw an internal circle inside a triangle ABC
- Use intersection point D and draw the inscribed circle.



Geometric Constructions

Task 1.7.4

- On the prepared A3 drawing sheet (Task 1.7.2), draw an irregular triangle with points A, B & C ± 50 mm apart from each other.
- **Question: Use triangle ABC and draw an inscribed circle.**
- Show all construction lines.
- Name this task 1.7.4