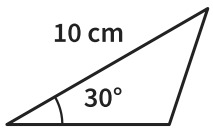
Area of a triangle: ½ab sin C

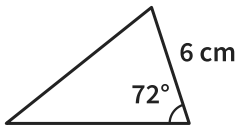
Exit ticket ANSWERS Name _____

1 Find the area of the triangle.



17.5 cm²

2 Find the area of the triangle.
Give your answer to
1 decimal place.



25.7 cm²

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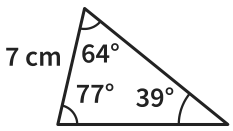

34.1 cm²

The Maths Habit

Area of a triangle: ½ab sin C

Exit ticket ANSWERS Name _____

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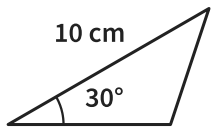

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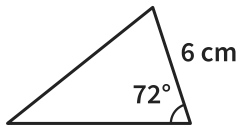

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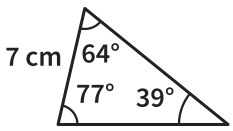

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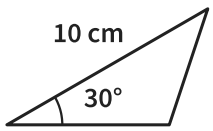

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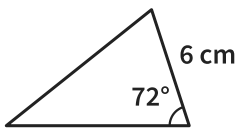

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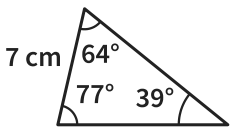

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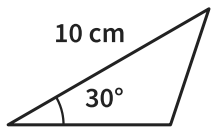

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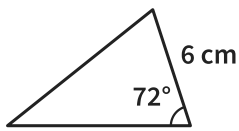

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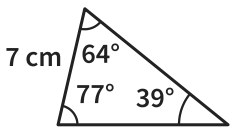

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The Maths Habit

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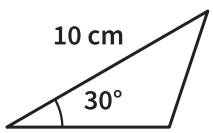

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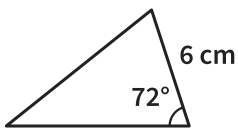

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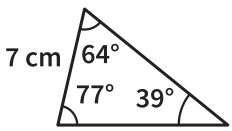

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The Maths Habit

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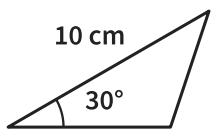

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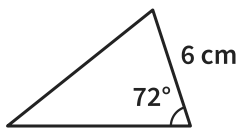

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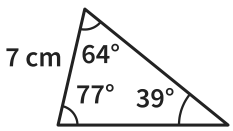


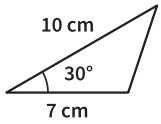
34.1 cm²

The Maths Habit

Exit ticket Area of a triangle: ½ab sin C

NEXT LESSON

1 **Find the area of the triangle.**



17.5 cm²

TESTS ½ × side × side × sin 30°

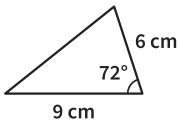
LOOK FOR *35 cm²* forgot the half

30.3 cm² used cos instead of sin

FIX IT

Two sides of a triangle are 12 cm and 9 cm, with 30° between them. Find its area. *27 cm²*

2 **Find the area of the triangle. Give your answer to 1 decimal place.**



25.7 cm²

TESTS Any angle, to 1 decimal place

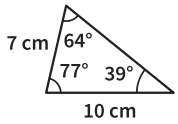
LOOK FOR *51.4 cm²* forgot the half

8.3 cm² used cos instead of sin

FIX IT

Two sides of a triangle are 8 cm and 5 cm, with 57° between them. Find its area to 1 dp. *16.8 cm²*

3 **Find the area of the triangle. Give your answer to 1 decimal place.**



34.1 cm²

TESTS The angle between the two sides

LOOK FOR *31.5 cm²* 64° is not between 7 cm and 10 cm

22.0 cm² 39° is not between them either

FIX IT

A triangle has sides of 7 cm and 12 cm with 87° between them. Its other angles are 31° and 62°. Find its area to 1 dp. *41.9 cm²*