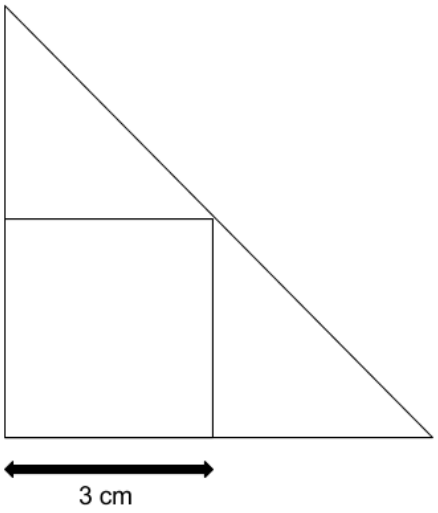
STIRLING TUITION

Q1 (Area of Triangle) Day 51 Name: _____

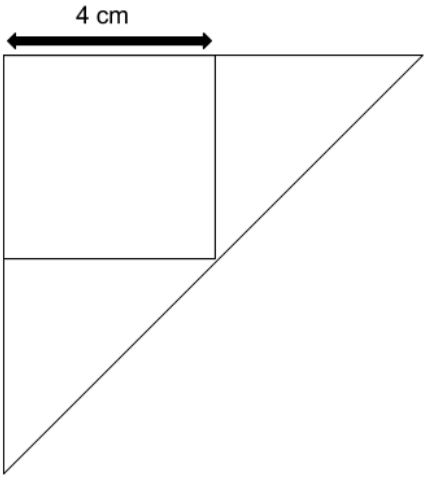
1. Look at the diagram below. It is a **right-angle triangle** with a **square** inside of the triangle. The square has a **side length of 3cm**. The height and width of the triangle are **double** the side length of the square.



What is the **area** of the triangle? Write your answer in the space below.

_____cm^2

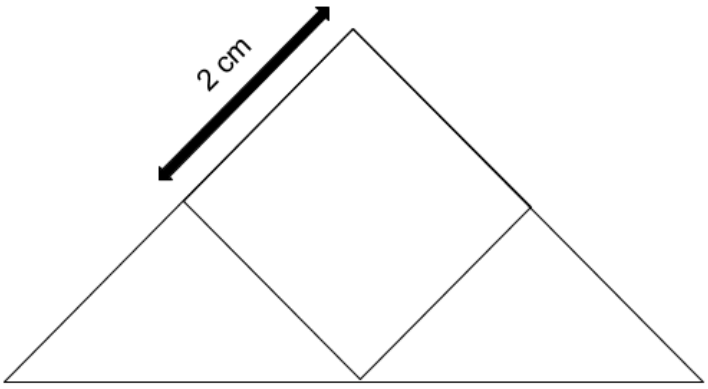
2. Look at the diagram below. It is a **right-angle triangle** with a **square** inside of the triangle. The square has a **side length of 4cm**. The height and width of the triangle are **double** the side length of the square.



What is the **area** of the triangle? Write your answer in the space below.

_____cm^2

3. Look at the diagram below. It is a **right-angle triangle** with a **square** inside of the triangle. The square has a **side length of 2cm**. The height and width of the triangle are **double** the side length of the square.



What is the **area** of the triangle? Write your answer in the space below.

_____cm^2

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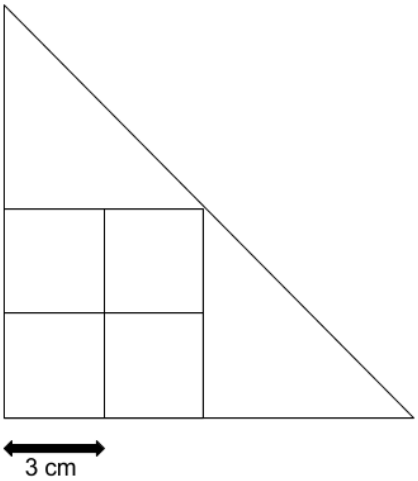
4. Look at the diagram below. It is a **right-angle triangle** with **4 small squares of equal size** inside of the triangle. Each square has a **side length of 3cm**. The height and width of the triangle are **four times** the side length of the square.



What is the **area** of the triangle? Write your answer in the space below.

_____cm^2

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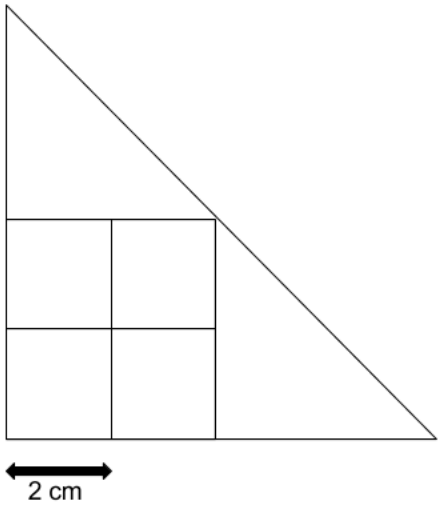
5. Look at the diagram below. It is a **right-angle triangle** with **4 small squares of equal size** inside of the triangle. Each square has a **side length of 2cm**. The height and width of the triangle are **four times** the side length of the square.



What is the **area** of the triangle? Write your answer in the space below.

_____cm^2

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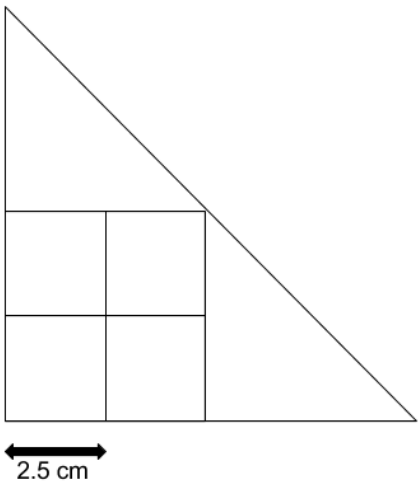
6. Look at the diagram below. It is a **right-angle triangle** with **4 small squares of equal size** inside of the triangle. Each square has a **side length of 2.5cm**. The height and width of the triangle are **four times** the side length of the square.



What is the **area** of the triangle? Write your answer in the space below.

_____cm^2

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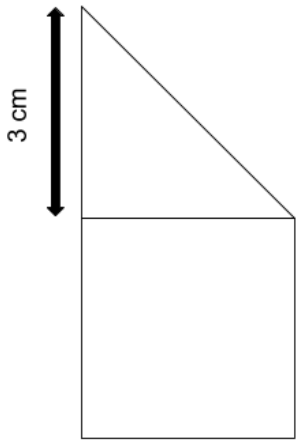
7. Look at the diagram below. It is a **right-angle triangle** on top of a **square**. The triangle has a **side length of 3cm**. The height and width of the triangle are **the same** length of the square.



What is the **total area** of the **triangle** and the **square**? Write your answer in the space below.

_____cm^2

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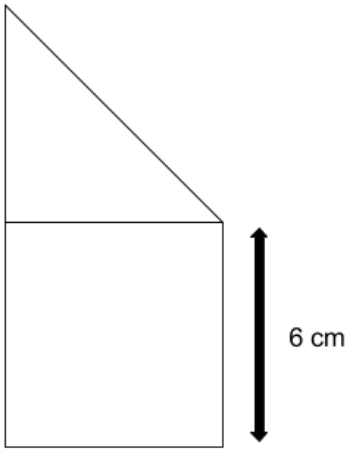
8. Look at the diagram below. It is a **right-angle triangle** on top of a **square**. The square has a **side length of 6cm**. The height and width of the triangle are **the same** length of the square.



What is the **total area** of the **triangle** and the **square**? Write your answer in the space below.

_____cm^2

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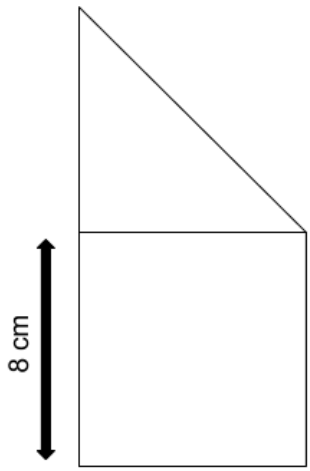
9. Look at the diagram below. It is a **right-angle triangle** on top of a **square**. The square has a **side length of 8cm**. The height and width of the triangle are **the same** length of the square.



What is the **total area** of the **triangle** and the **square**? Write your answer in the space below.

_____cm^2

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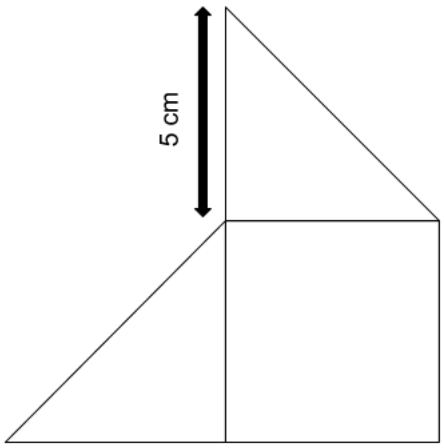
10. Look at the diagram below. It is **two right-angle triangles** attached to a **square**. The triangles are **identical** and have a **side length of 5cm**. The height and width of the triangles are **the same** length of the square.



What is the **total area** of the **triangles** and the **square**? Write your answer in the space below.

_____cm^2

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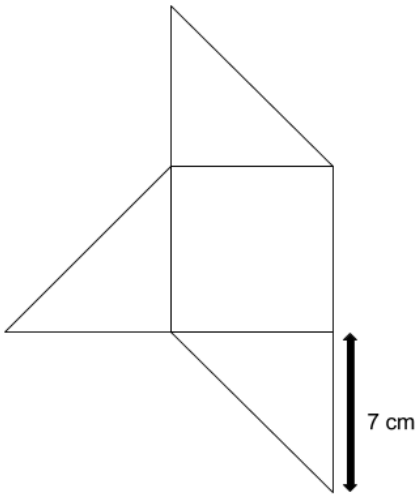
11. Look at the diagram below. It is **three right-angle triangles** attached to a **square**. The triangles are **identical** and have a **side length of 7cm**. The height and width of the triangles are **the same** length of the square.



What is the **area** of the **three triangles**? Write your answer in the space below.

_____cm^2

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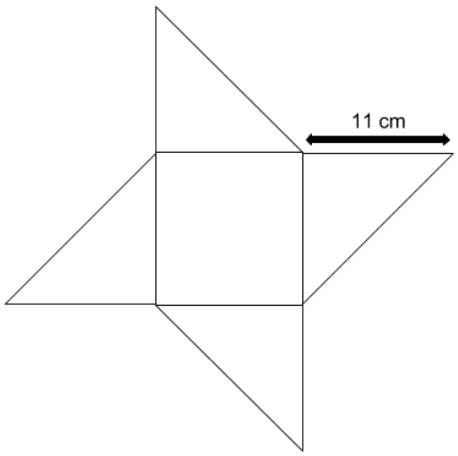
12. Look at the diagram below. It is **four right-angle triangles** attached to a **square**. The triangles are **identical** and have a **side length of 11cm**. The height and width of the triangles are **the same** length of the square.



What is the **total area** of the **triangles** and the **square**? Write your answer in the space below.

_____cm^2

STIRLING TUITION

Answers

1. **18**
2. **32**
3. **8**
4. **72**
5. **32**
6. **50**
7. **13.5**
8. **54**
9. **96**
10. **50**
11. **73.5**
12. **363**