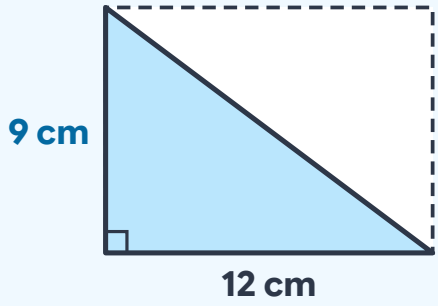
# Area of a Triangle

## Half of a rectangle




**Rectangle: 12 × 9 = 108 cm²**

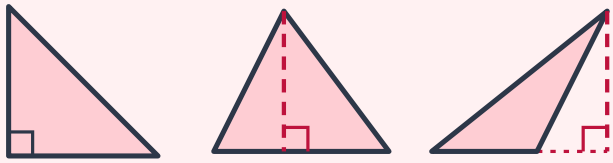
**Triangle: 108 ÷ 2 = 54 cm²**

Two copies make the rectangle.

## The rule

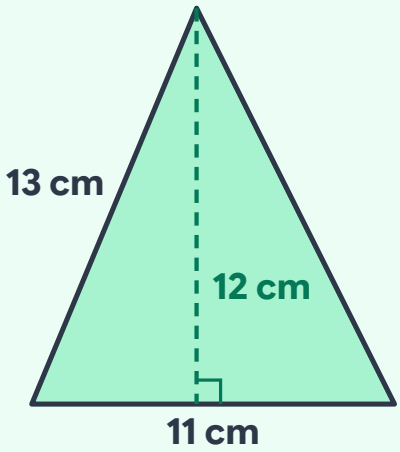
**Area = (base × height) ÷ 2**

The height meets the base at a right angle. It can be a side, inside, or outside.



a side | inside | outside

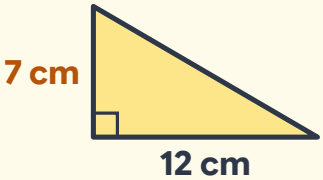
## Worked example




1. Find the base: 11 cm.
2. Find the height: the dashed line at a right angle to the base, 12 cm. The 13 cm side is slanted, so it is not the height.
3. Multiply, then halve: 11 × 12 ÷ 2 = 66.

**Area = 66 cm²**

## Try it

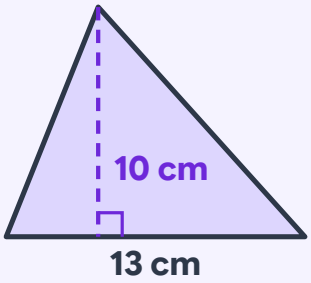



12 × 7 = 84

84 ÷ 2 = _____

Area = _____

## Your turn




13 × 10 = _____

_____ ÷ 2 = _____

Area = _____


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# How to Play

## Triangle Champions

**You need: three shuffled, face-down piles (one-star, two-star and challenge cards), a recording sheet for each team and the answer sheets.**

1. Make teams of 3 to 5, up to 8 teams. The checker holds the answer sheets: the teacher or a chosen student.
2. Play in rounds. In a round, every team takes one card from the same pile: one-star rounds first, then two-star rounds, then a challenge round.
3. Everyone works the card alone first. Then the team agrees on one answer, with its units, and writes it down.
4. The checker says "correct" or "not yet". Correct wins the card's points: one star 1, two stars 2, a challenge 3.
5. After "not yet", the team may find and fix its mistake once, for 1 point less than the card is worth.

**Points are for correct answers, never for being first. Start a round only when its pile has a card for every team. The game ends after the challenge round, or between rounds when the teacher says. No timer? Let each round run until every team has answered.**

## Match It!

**You need: the 12 triangle cards and the 12 area cards, for 2 to 4 players.**

1. Lay all 24 cards face up.
2. Take turns: find a triangle's area and pick up its area card. A right match (check the key) keeps the pair. The most pairs wins.

**For experts: lay the cards face down and play it as a memory game.**

## Scoot

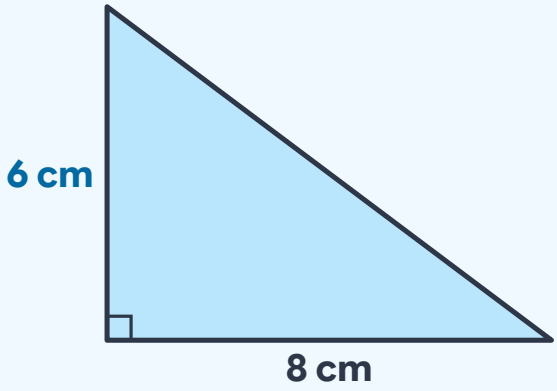
**You need: one activity card on each desk and a recording sheet for each player.**

1. Start at a desk. Find the area and write it in the box with the card's number.
2. On the signal, move to the next desk, or move on at your own pace. With more than 20 students, work in pairs.

**Teaching right triangles only? Use activity cards 1, 3, 5, 7, 9, 15 and 17, matching triangles 4, 6, 9, 11 and 12 and challenge card 2.**


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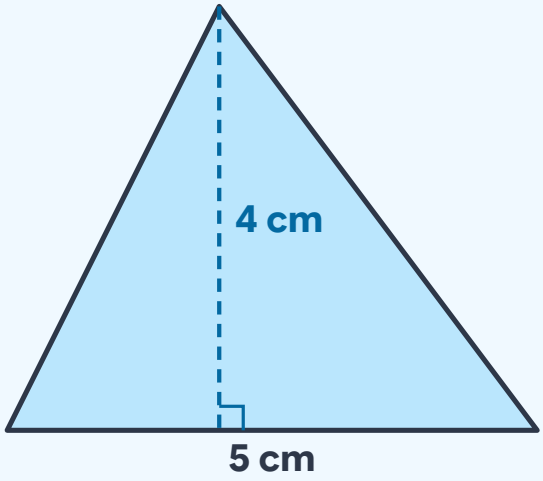
## 1 Find the area




Find the area of the triangle.

Area = _____

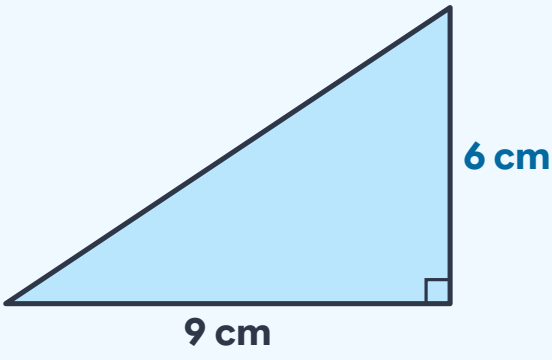
## 2 Find the area




Find the area of the triangle.

Area = _____

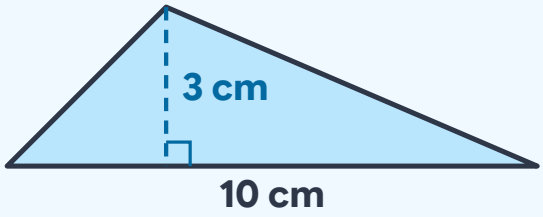
## 3 Find the area




Find the area of the triangle.

Area = _____

## 4 Find the area

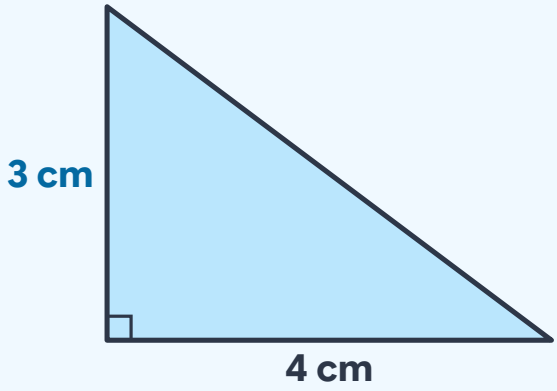



Find the area of the triangle.

Area = _____


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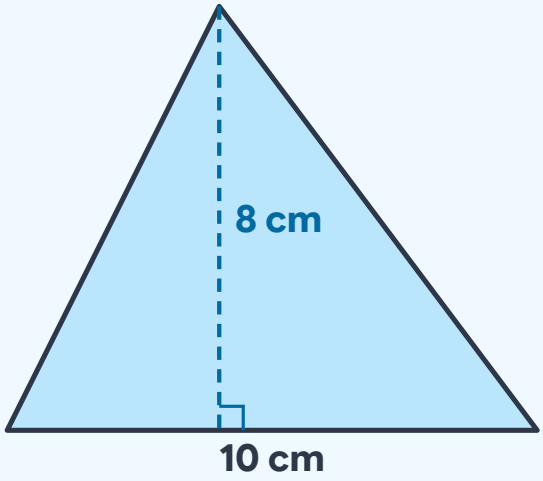
## 5 Find the area




Find the area of the triangle.

Area = _____

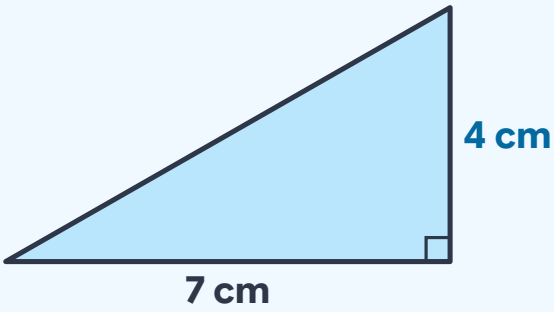
## 6 Find the area




Find the area of the triangle.

Area = _____

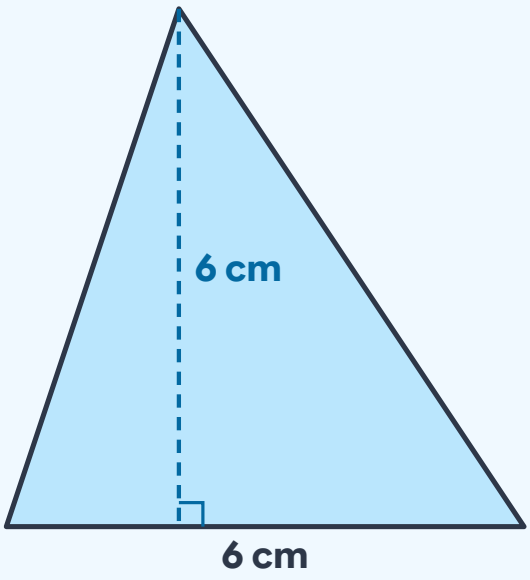
## 7 Find the area




Find the area of the triangle.

Area = _____

## 8 Find the area

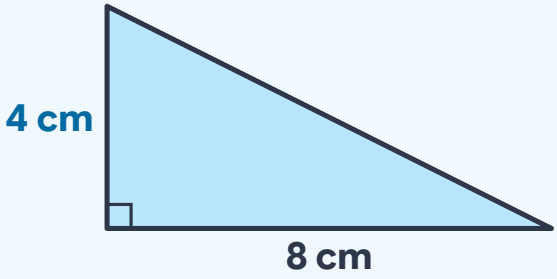



Find the area of the triangle.

Area = _____


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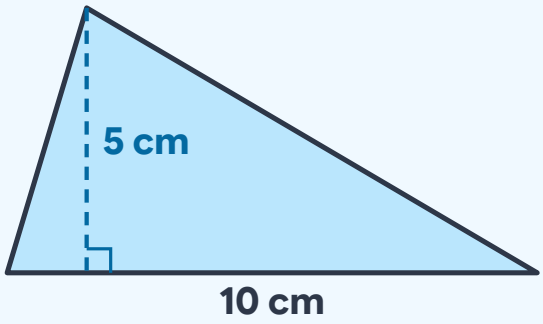
## 9 Find the area




Find the area of the triangle.

Area = _____

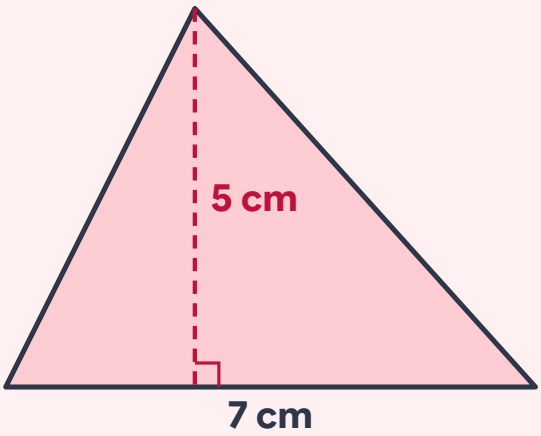
## 10 Find the area




Find the area of the triangle.

Area = _____

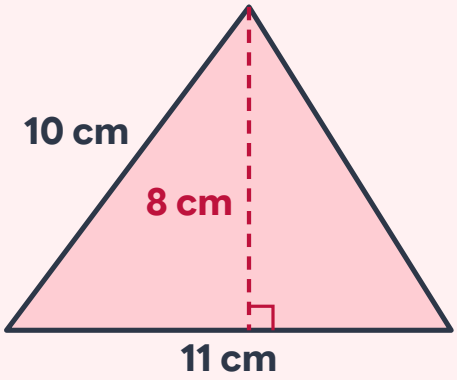
## 11 Find the area




Find the area of the triangle.

Area = _____

## 12 Find the area

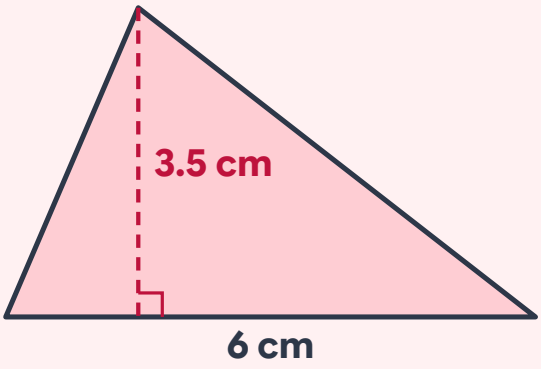



Find the area of the triangle.

Area = _____


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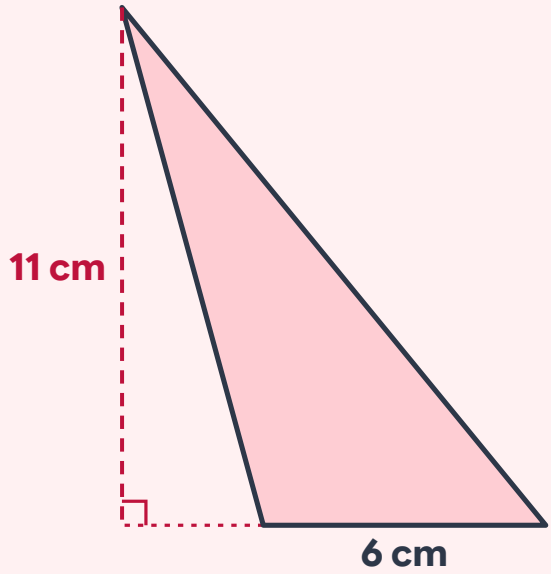
## 13 Find the area ★★




Find the area of the triangle.

Area = _____

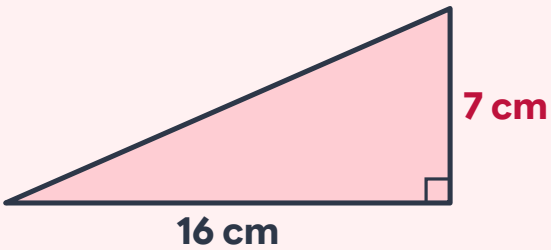
## 14 Find the area ★★




Find the area of the triangle.

Area = _____

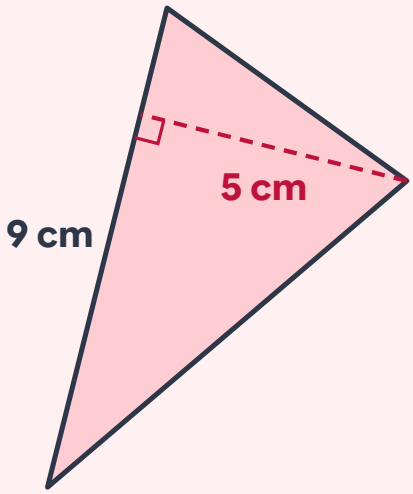
## 15 Find the area ★★




Find the area of the triangle.

Area = _____

## 16 Find the area ★★

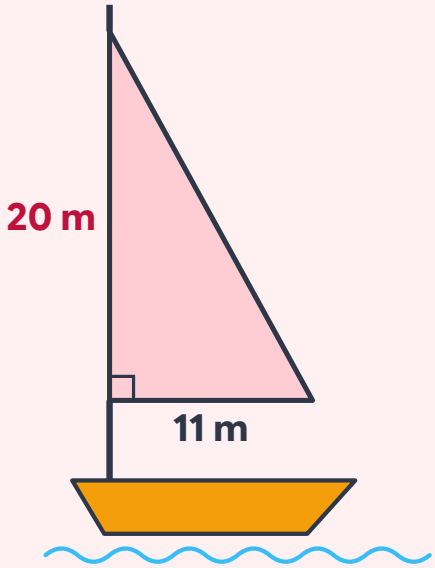



Find the area of the triangle.

Area = _____


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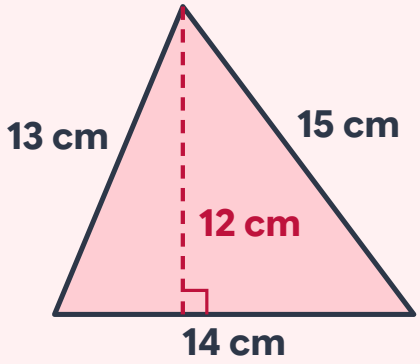
## 17 The Sail ★★




How much cloth is in this sail? Find its area.

**Area =** _____

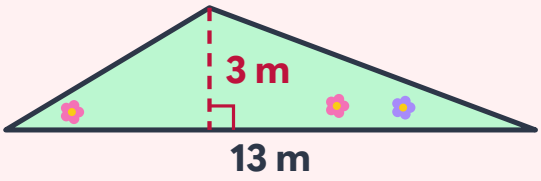
## 18 Find the area ★★




Find the area of the triangle.

**Area =** _____

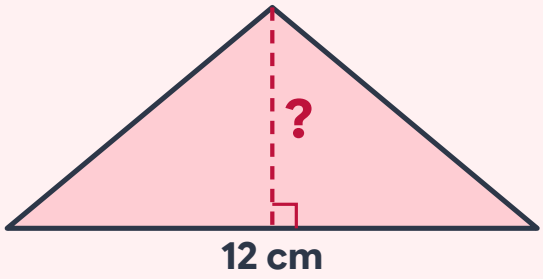
## 19 The Garden Bed ★★




A garden bed is shaped like a triangle. Find its area.

**Area =** _____

## 20 Missing Height ★★

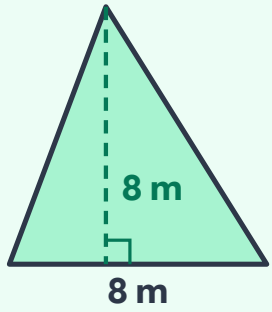



The area of this triangle is 30 $cm^2$. What is its height?

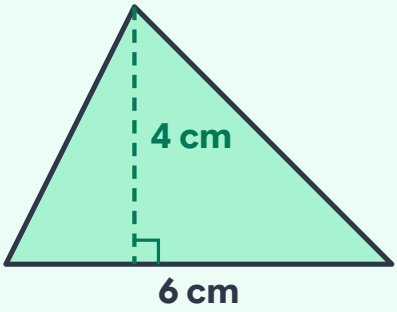
**Height =** _____


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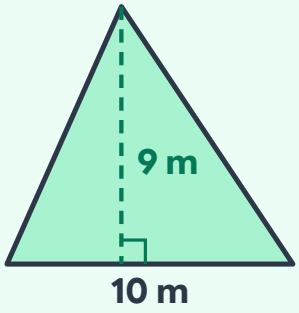
**1** What is my area?



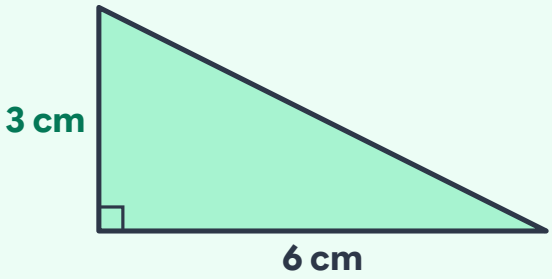

**2** What is my area?



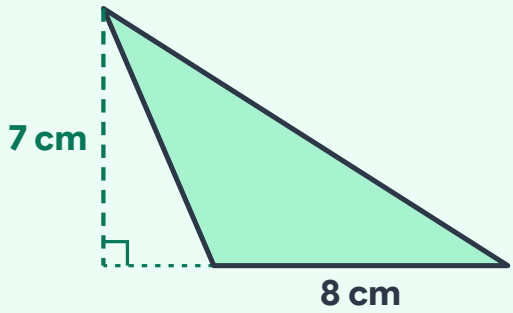

**3** What is my area?



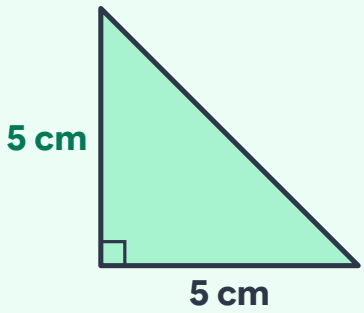

**4** What is my area?



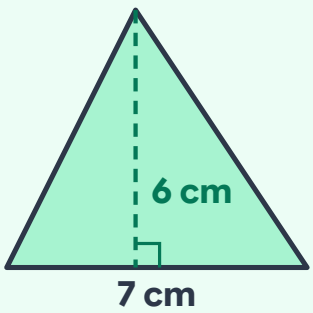

**5** What is my area?



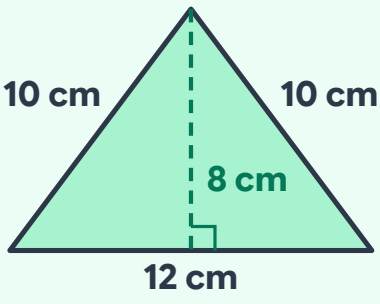

**6** What is my area?




**7** What is my area?



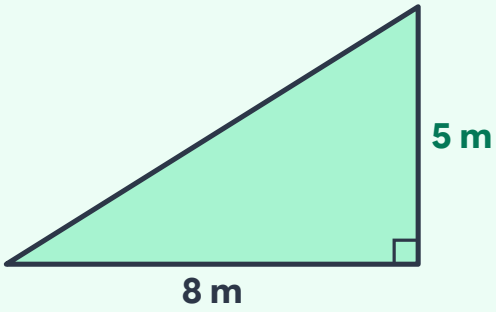

**8** What is my area?



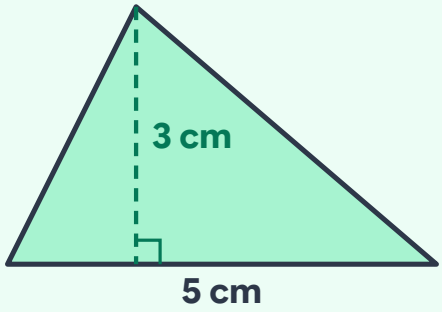


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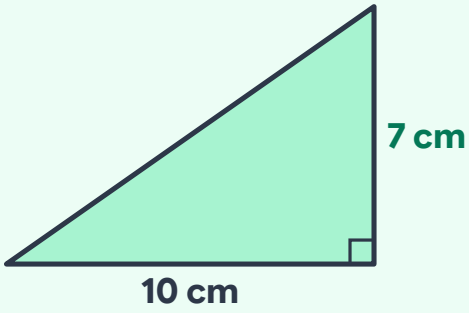
**9** What is my area?



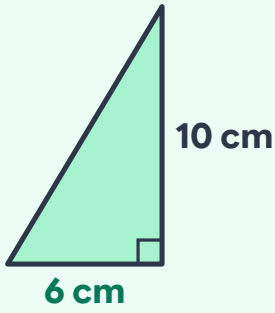

**10** What is my area?




**11** What is my area?




**12** What is my area?




**A** Area

$45\ m^2$

**B** Area

$7.5\ cm^2$

**C** Area

$12.5\ cm^2$

**D** Area

$32\ m^2$


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E Area

$48\ cm^2$

F Area

$35\ cm^2$

G Area

$9\ cm^2$

H Area

$21\ cm^2$

I Area

$30\ cm^2$

J Area

$12\ cm^2$

K Area

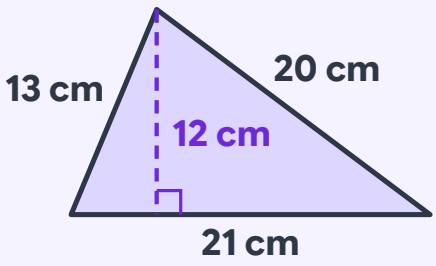
$20\ m^2$

L Area

$28\ cm^2$


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## 1 Who is right? ★★★



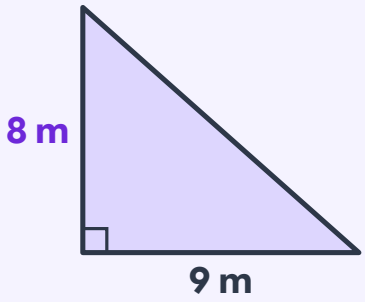

**Kai** $21 \times 20 \div 2 = 210\ cm^2$

**Ava** $21 \times 12 \div 2 = 126\ cm^2$

Who is right? _____

Why? _____

## 2 Who is right? ★★★



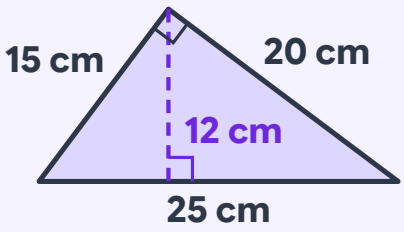

**Sam** The area is $72\ m^2$.

**Zoe** The area is $36\ m^2$.

Who is right? _____

Why? _____

## 3 Who is right? ★★★



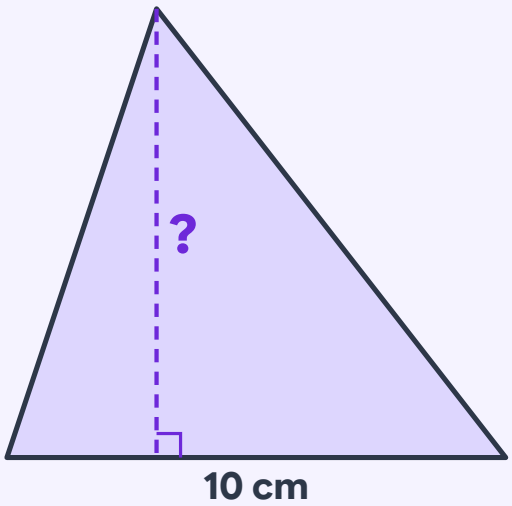

**Mia** $15 \times 20 \div 2 = 150\ cm^2$

**Leo** $25 \times 12 \div 2 = 150\ cm^2$

Who is right? _____

Why? _____

## 4 Missing Height ★★★



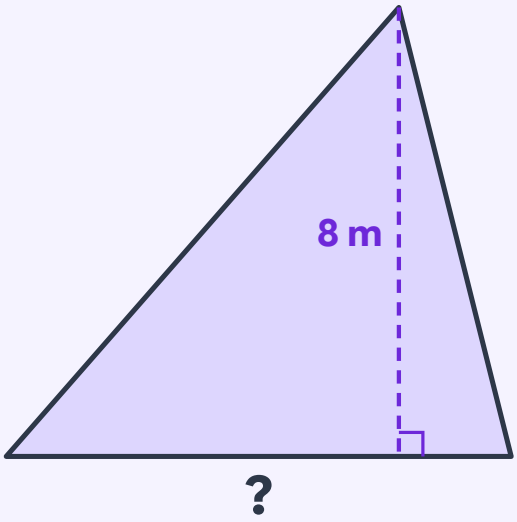

The area of this triangle is $45\ cm^2$.
What is its height?

Height = _____



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## 5 Missing Base ★★★

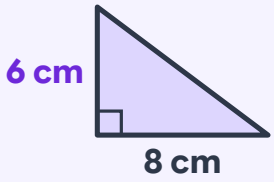



The area of this triangle is 36 $m^2$.
How long is its base?

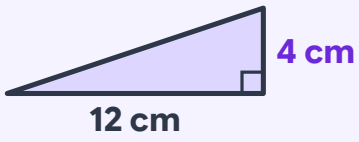
Base = _____

## 6 Same Area? ★★★

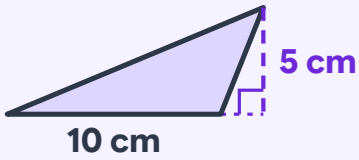
A




B




C



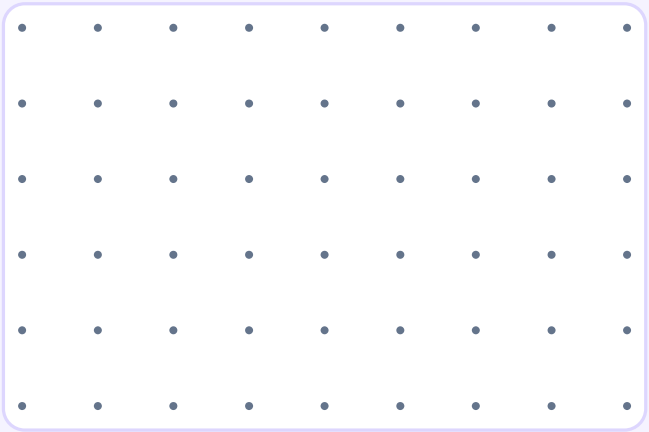

Which two triangles have the same area?

Which two? _____

How do you know? _____

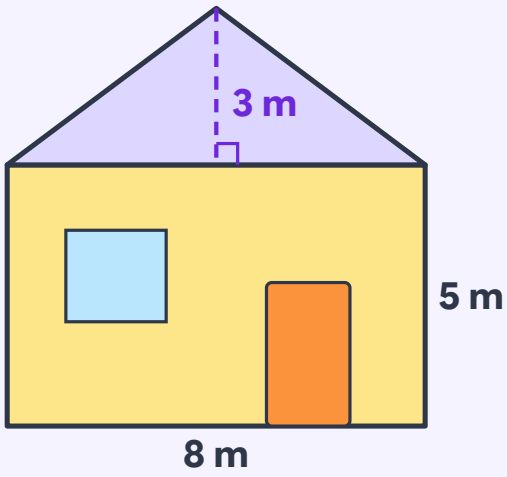
## 7 Draw It! ★★★

Each space between the dots is 1 cm. Draw a triangle with an area of 12 $cm^2$. Can your team find another one?



Base × height must make 24.

## 8 The House ★★★




Find the area of the front of the house: the wall and the roof.

House area = _____



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# Recording Sheet

Name _____ Team _____

## Activity cards

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |

## Challenge cards

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |

## Team scoreboard

Points each round

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

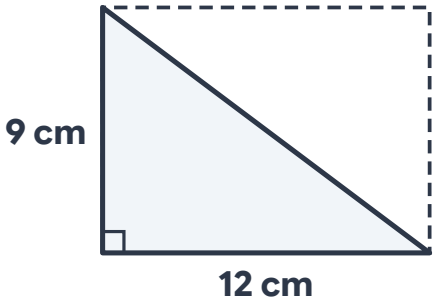
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Total


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# Area of a Triangle

## Half of a rectangle




**Rectangle: 12 × 9 = 108 cm²**

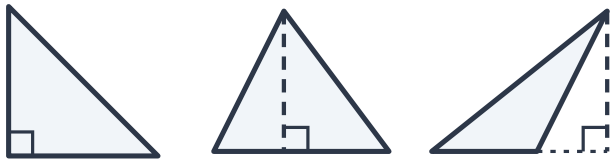
**Triangle: 108 ÷ 2 = 54 cm²**

Two copies make the rectangle.

## The rule

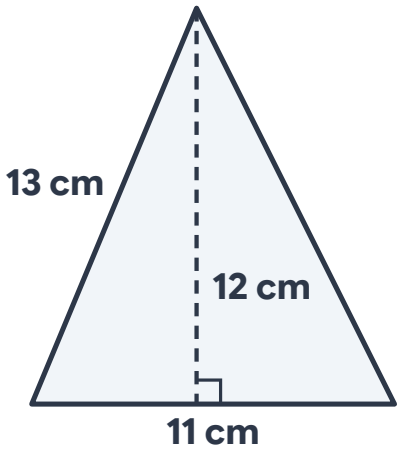
**Area = (base × height) ÷ 2**

**The height meets the base at a right angle. It can be a side, inside, or outside.**



a side | inside | outside

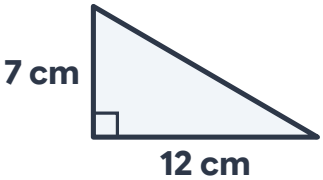
## Worked example




1. Find the base: 11 cm.
2. Find the height: the dashed line at a right angle to the base, 12 cm. The 13 cm side is slanted, so it is not the height.
3. Multiply, then halve: 11 × 12 ÷ 2 = 66.

**Area = 66 cm²**

## Try it

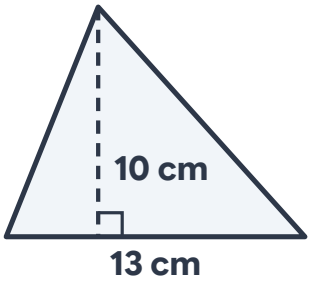



**12 × 7 =** 84

**84 ÷ 2 =** _____

**Area =** _____

## Your turn




**13 × 10 =** _____

_____ **÷ 2 =** _____

**Area =** _____


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# How to Play

## Triangle Champions

**You need: three shuffled, face-down piles (one-star, two-star and challenge cards), a recording sheet for each team and the answer sheets.**

1. Make teams of 3 to 5, up to 8 teams. The checker holds the answer sheets: the teacher or a chosen student.
2. Play in rounds. In a round, every team takes one card from the same pile: one-star rounds first, then two-star rounds, then a challenge round.
3. Everyone works the card alone first. Then the team agrees on one answer, with its units, and writes it down.
4. The checker says "correct" or "not yet". Correct wins the card's points: one star 1, two stars 2, a challenge 3.
5. After "not yet", the team may find and fix its mistake once, for 1 point less than the card is worth.

**Points are for correct answers, never for being first. Start a round only when its pile has a card for every team. The game ends after the challenge round, or between rounds when the teacher says. No timer? Let each round run until every team has answered.**

## Match It!

**You need: the 12 triangle cards and the 12 area cards, for 2 to 4 players.**

1. Lay all 24 cards face up.
2. Take turns: find a triangle's area and pick up its area card. A right match (check the key) keeps the pair. The most pairs wins.

**For experts: lay the cards face down and play it as a memory game.**

## Scoot

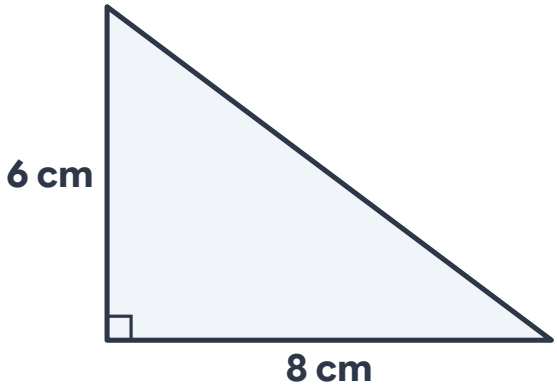
**You need: one activity card on each desk and a recording sheet for each player.**

1. Start at a desk. Find the area and write it in the box with the card's number.
2. On the signal, move to the next desk, or move on at your own pace. With more than 20 students, work in pairs.

**Teaching right triangles only? Use activity cards 1, 3, 5, 7, 9, 15 and 17, matching triangles 4, 6, 9, 11 and 12 and challenge card 2.**


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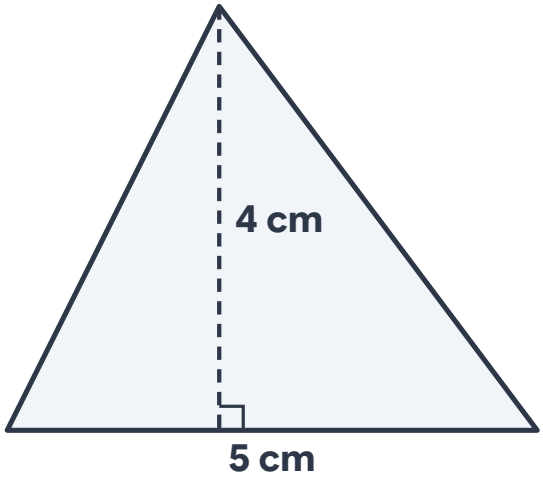
## 1 Find the area




Find the area of the triangle.

Area = _____

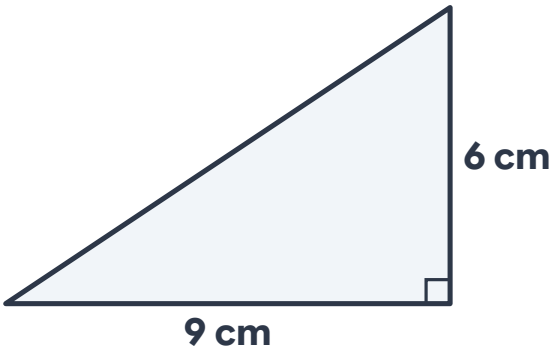
## 2 Find the area




Find the area of the triangle.

Area = _____

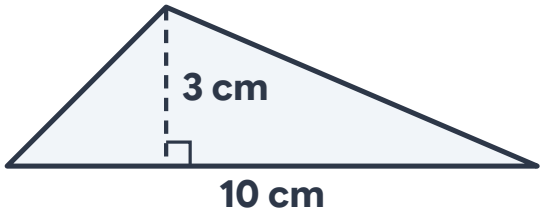
## 3 Find the area




Find the area of the triangle.

Area = _____

## 4 Find the area

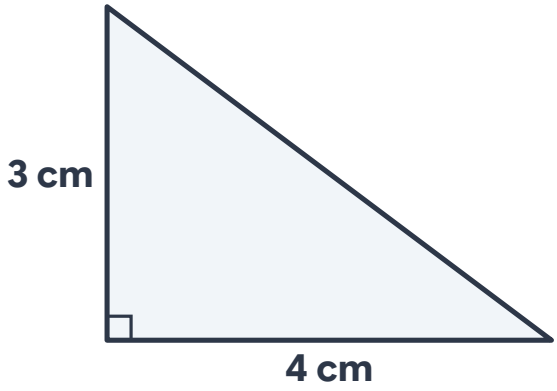



Find the area of the triangle.

Area = _____


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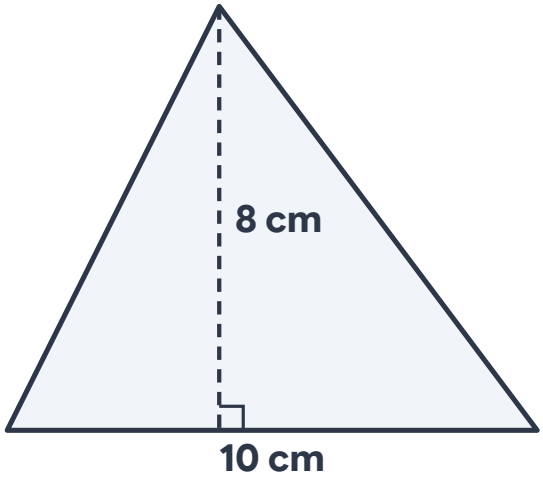
## 5 Find the area




Find the area of the triangle.

Area = _____

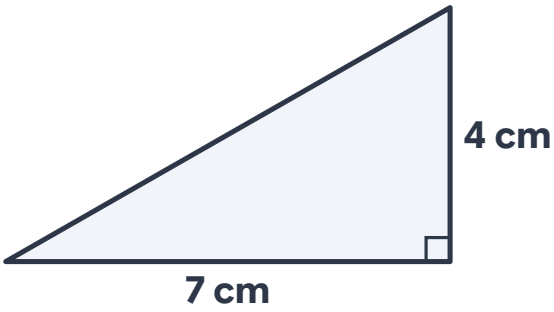
## 6 Find the area




Find the area of the triangle.

Area = _____

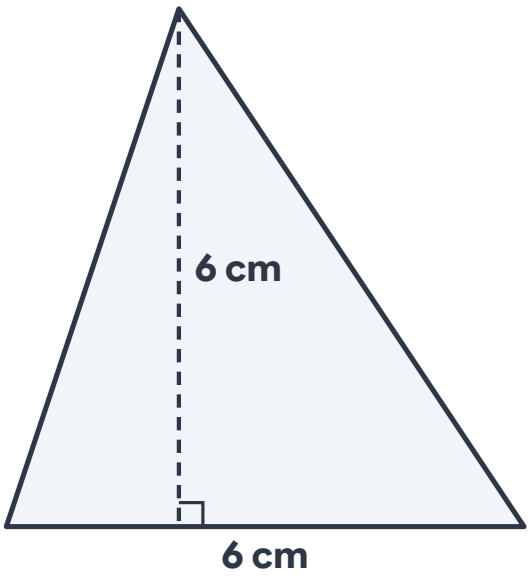
## 7 Find the area




Find the area of the triangle.

Area = _____

## 8 Find the area

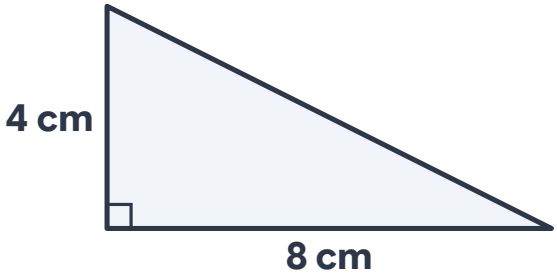



Find the area of the triangle.

Area = _____


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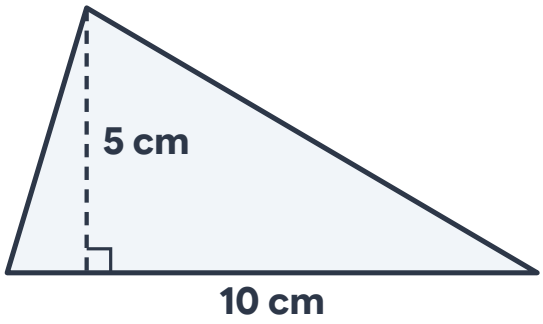
## 9 Find the area ☆




Find the area of the triangle.

Area = _____

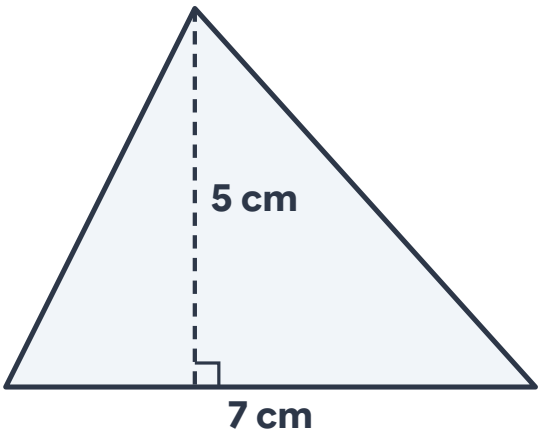
## 10 Find the area ☆




Find the area of the triangle.

Area = _____

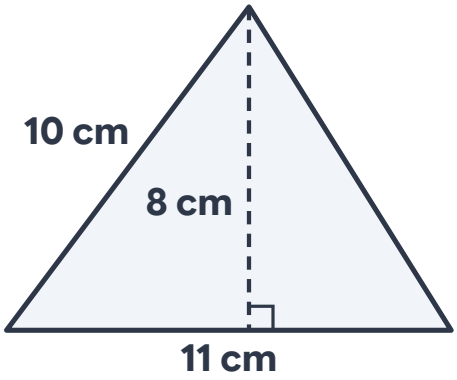
## 11 Find the area ☆☆




Find the area of the triangle.

Area = _____

## 12 Find the area ☆☆

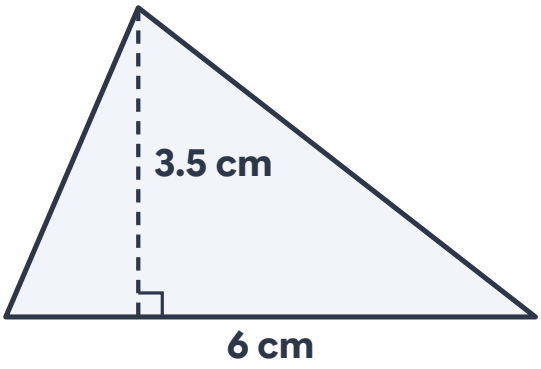



Find the area of the triangle.

Area = _____


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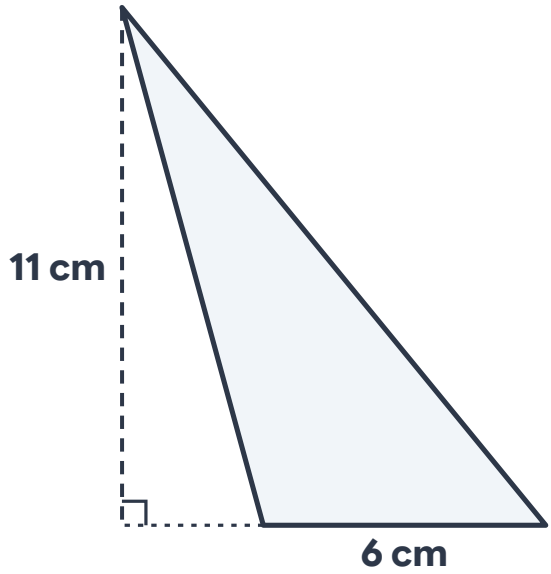
## 13 Find the area ☆☆




Find the area of the triangle.

Area = _____

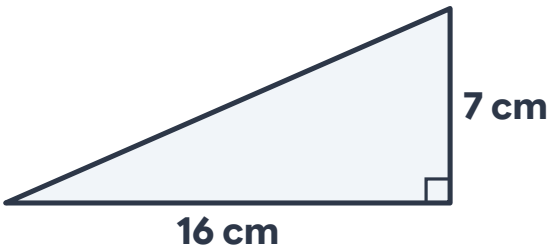
## 14 Find the area ☆☆




Find the area of the triangle.

Area = _____

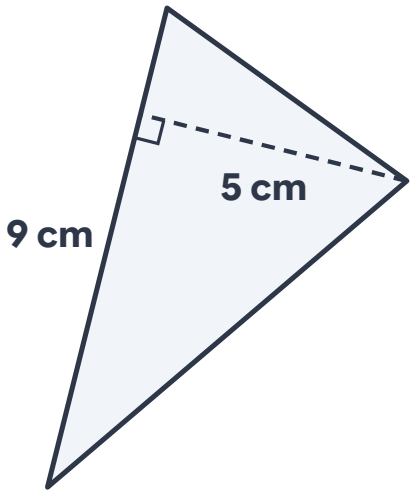
## 15 Find the area ☆☆




Find the area of the triangle.

Area = _____

## 16 Find the area ☆☆

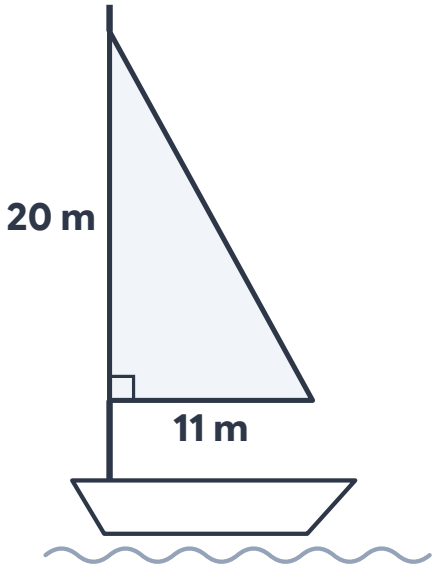



Find the area of the triangle.

Area = _____


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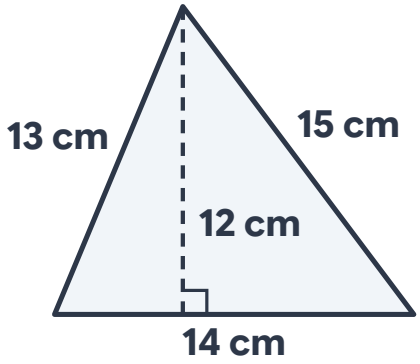
## 17 The Sail ☆☆




How much cloth is in this sail? Find its area.

**Area =** _____

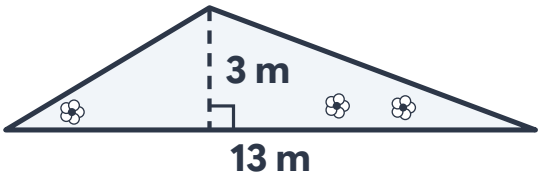
## 18 Find the area ☆☆




Find the area of the triangle.

**Area =** _____

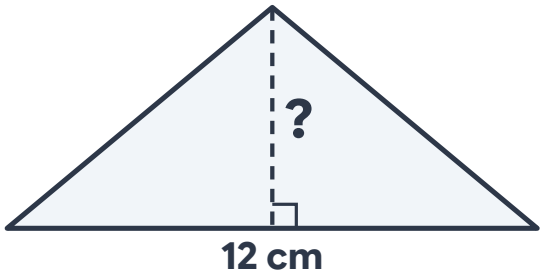
## 19 The Garden Bed ☆☆




A garden bed is shaped like a triangle. Find its area.

**Area =** _____

## 20 Missing Height ☆☆

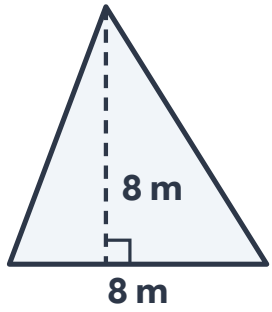



The area of this triangle is 30 $cm^2$. What is its height?

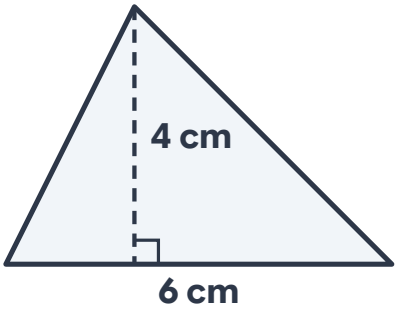
**Height =** _____


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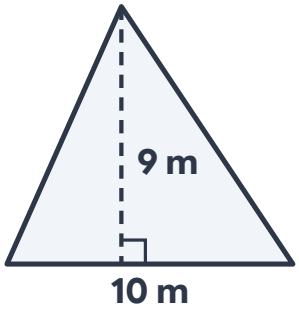
**1** What is my area?



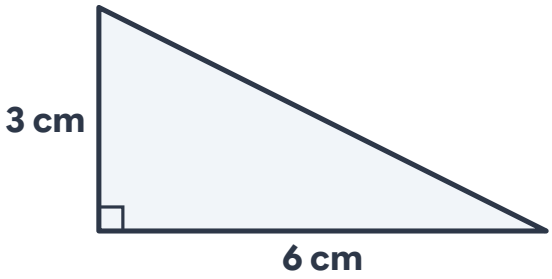

**2** What is my area?



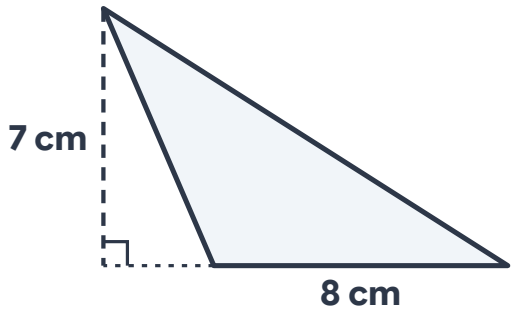

**3** What is my area?



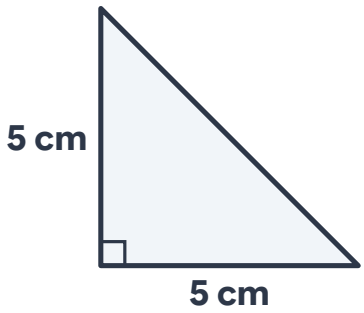

**4** What is my area?



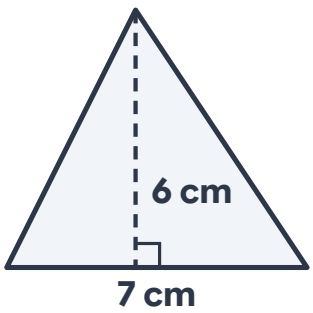

**5** What is my area?



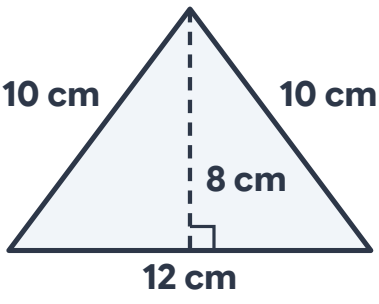

**6** What is my area?




**7** What is my area?



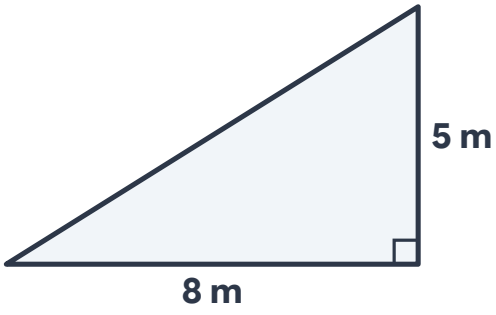

**8** What is my area?



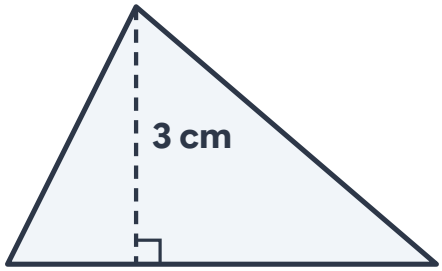


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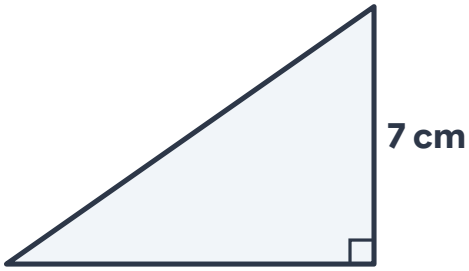
**9** What is my area?



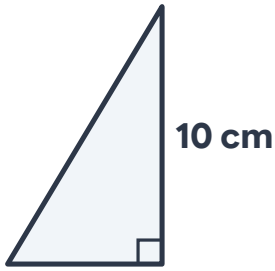

**10** What is my area?




**11** What is my area?




**12** What is my area?




**A** Area

$45\ m^2$

**B** Area

$7.5\ cm^2$

**C** Area

$12.5\ cm^2$

**D** Area

$32\ m^2$


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E Area

$48\ cm^2$

F Area

$35\ cm^2$

G Area

$9\ cm^2$

H Area

$21\ cm^2$

I Area

$30\ cm^2$

J Area

$12\ cm^2$

K Area

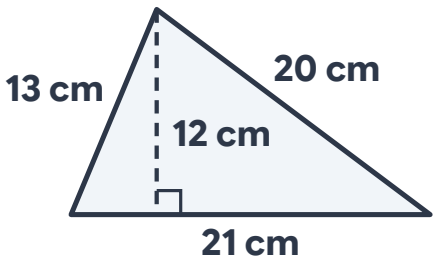
$20\ m^2$

L Area

$28\ cm^2$


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## 1 Who is right? ☆☆☆



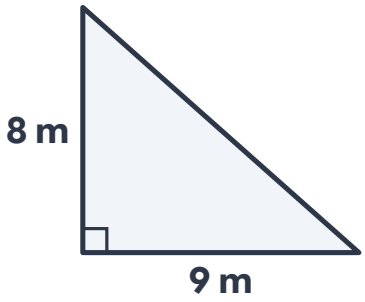

**Kai** $21 \times 20 \div 2 = 210\ cm^2$

**Ava** $21 \times 12 \div 2 = 126\ cm^2$

Who is right? _____

Why? _____

## 2 Who is right? ☆☆☆



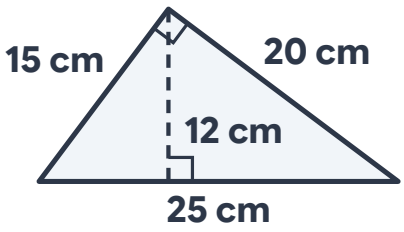

**Sam** The area is $72\ m^2$.

**Zoe** The area is $36\ m^2$.

Who is right? _____

Why? _____

## 3 Who is right? ☆☆☆



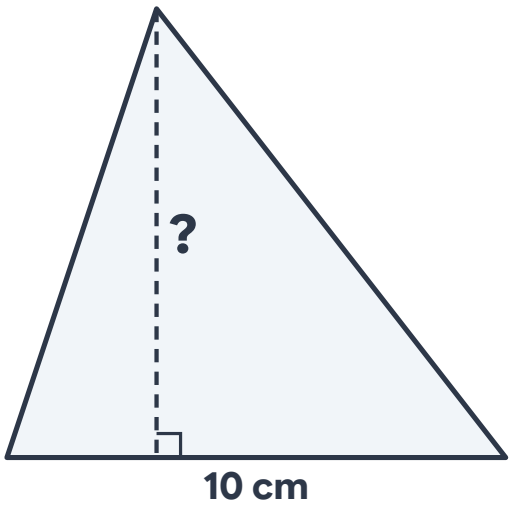

**Mia** $15 \times 20 \div 2 = 150\ cm^2$

**Leo** $25 \times 12 \div 2 = 150\ cm^2$

Who is right? _____

Why? _____

## 4 Missing Height ☆☆☆



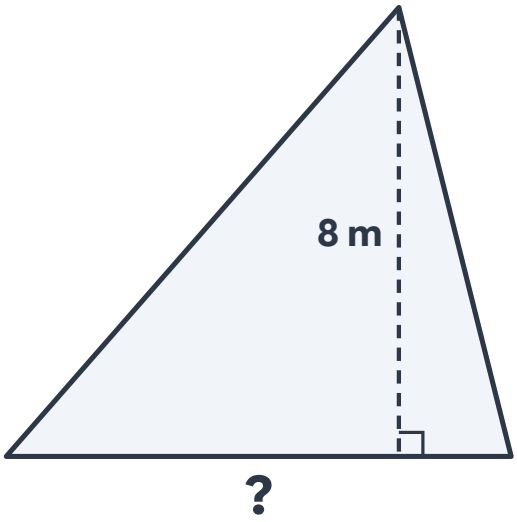

The area of this triangle is $45\ cm^2$.
What is its height?

Height = _____



Find worksheets, teacher tools, and more at animalmath.com
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## 5 Missing Base ☆☆☆

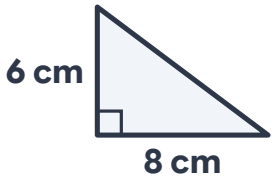



The area of this triangle is 36 $m^2$.
How long is its base?

Base = _____

## 6 Same Area? ☆☆☆

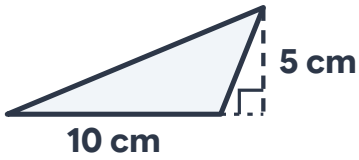
A




B




C



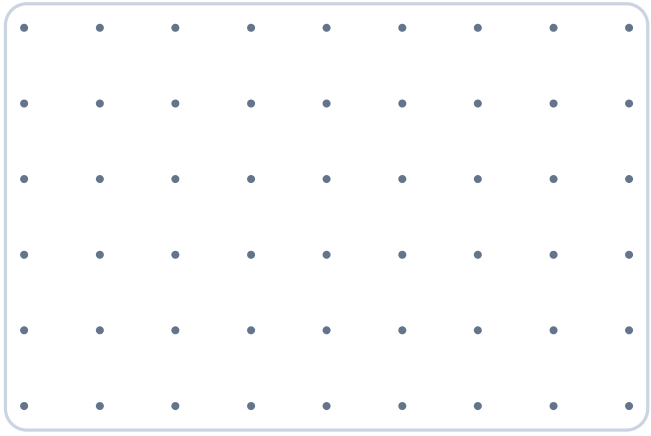

Which two triangles have the same area?

Which two? _____

How do you know? _____

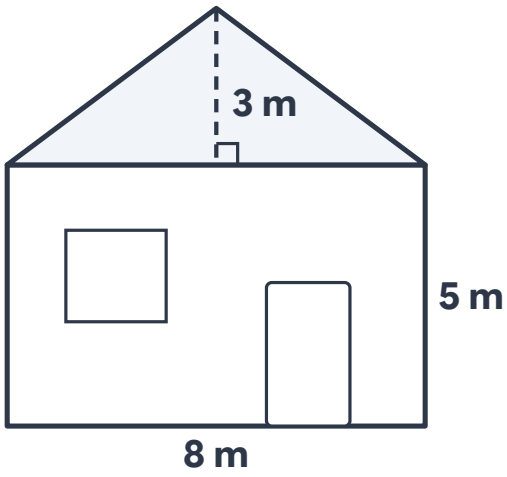
## 7 Draw It! ☆☆☆

Each space between the dots is 1 cm. Draw a triangle with an area of 12 $cm^2$. Can your team find another one?



Base × height must make 24.

## 8 The House ☆☆☆




Find the area of the front of the house: the wall and the roof.

House area = _____


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# Recording Sheet

Name _____ Team _____

## Activity cards

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |

## Challenge cards

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |

## Team scoreboard

Points each round

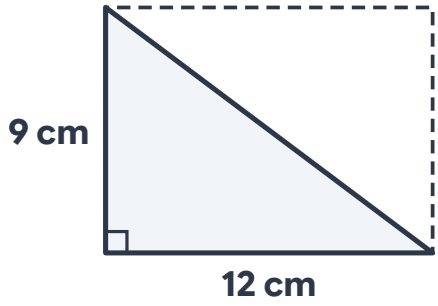
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| | | | | | | | | | |

**Total**


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# Area of a Triangle

## Half of a rectangle




**Rectangle: 12 × 9 = 108 cm²**

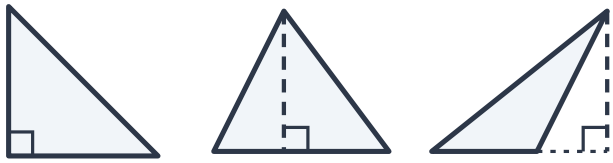
**Triangle: 108 ÷ 2 = 54 cm²**

Two copies make the rectangle.

## The rule

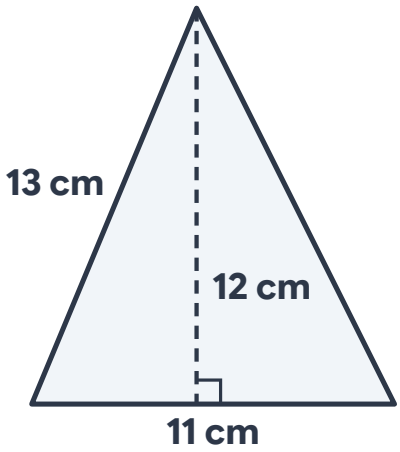
**Area = (base × height) ÷ 2**

**The height meets the base at a right angle. It can be a side, inside, or outside.**



a side | inside | outside

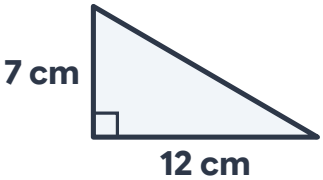
## Worked example




1. Find the base: 11 cm.
2. Find the height: the dashed line at a right angle to the base, 12 cm. The 13 cm side is slanted, so it is not the height.
3. Multiply, then halve: 11 × 12 ÷ 2 = 66.

**Area = 66 cm²**

## Try it

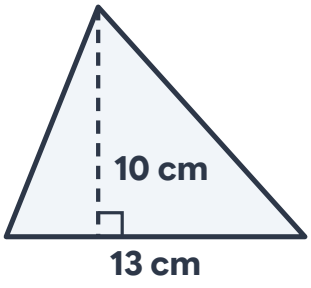



12 × 7 = 84

84 ÷ 2 = 42

Area = 42 cm²

## Your turn



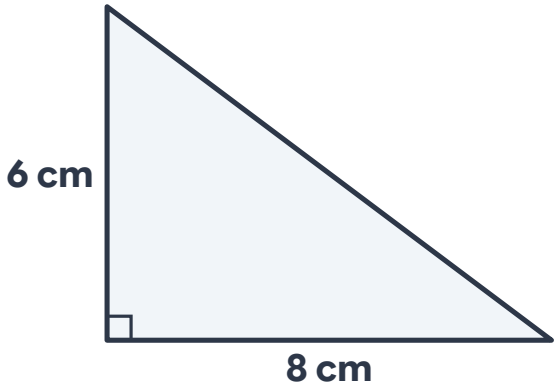

13 × 10 = 130

130 ÷ 2 = 65

Area = 65 cm²


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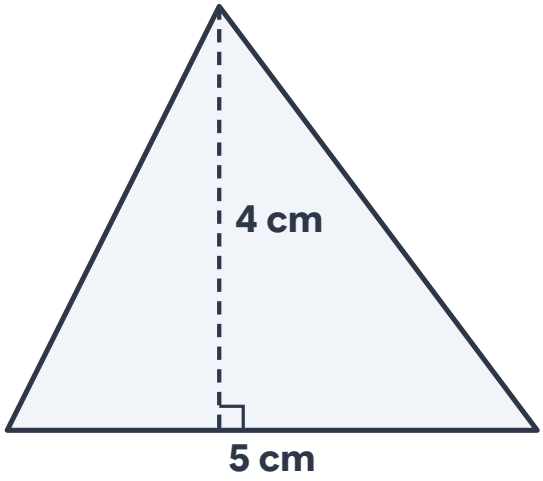
## 1 Find the area




Find the area of the triangle.

Area = $8 \times 6 \div 2 = 24\ cm^2$

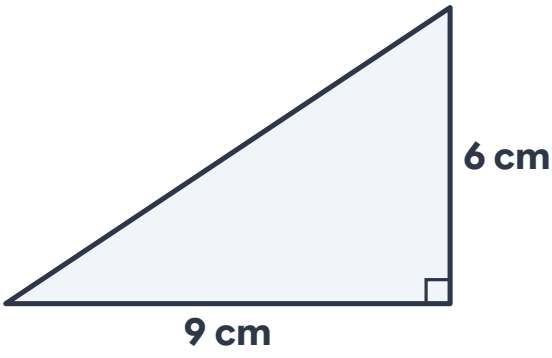
## 2 Find the area




Find the area of the triangle.

Area = $5 \times 4 \div 2 = 10\ cm^2$

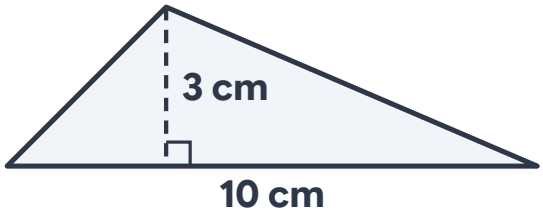
## 3 Find the area




Find the area of the triangle.

Area = $9 \times 6 \div 2 = 27\ cm^2$

## 4 Find the area

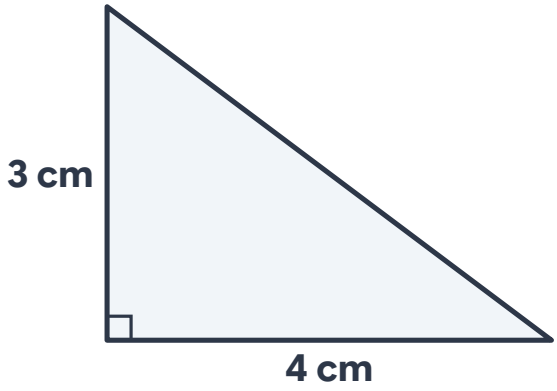



Find the area of the triangle.

Area = $10 \times 3 \div 2 = 15\ cm^2$


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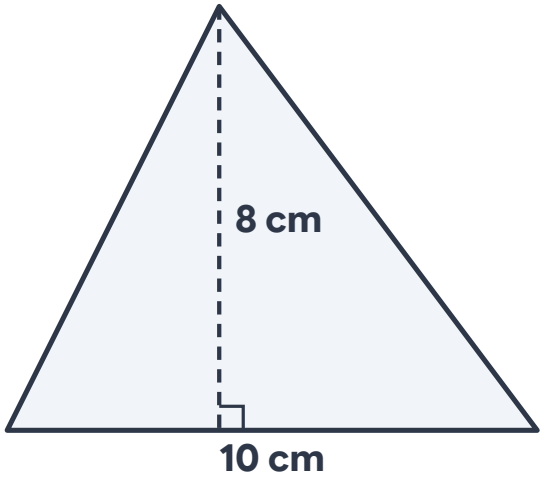
## 5 Find the area




Find the area of the triangle.

Area = $4 \times 3 \div 2 = 6\ cm^2$

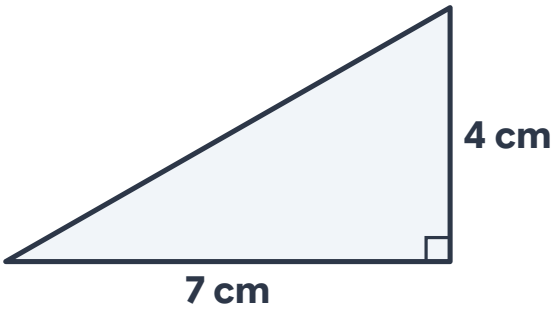
## 6 Find the area




Find the area of the triangle.

Area = $10 \times 8 \div 2 = 40\ cm^2$

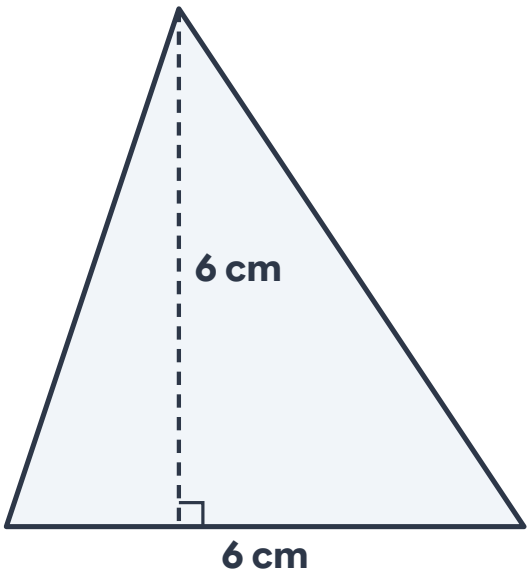
## 7 Find the area




Find the area of the triangle.

Area = $7 \times 4 \div 2 = 14\ cm^2$

## 8 Find the area

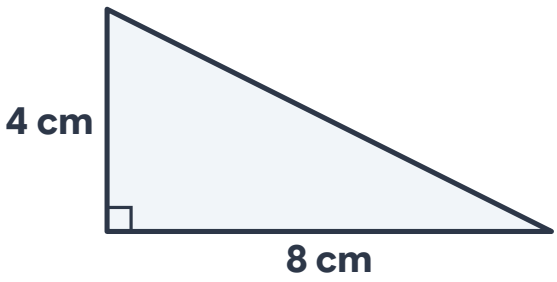



Find the area of the triangle.

Area = $6 \times 6 \div 2 = 18\ cm^2$


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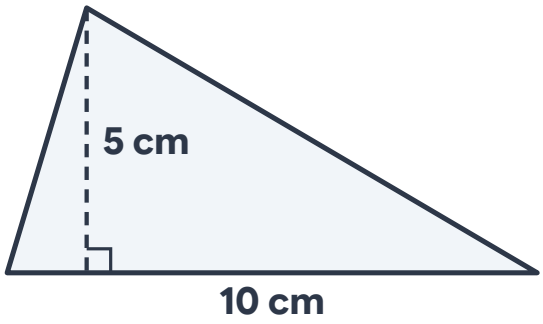
## 9 Find the area ☆




Find the area of the triangle.

Area = $8 \times 4 \div 2 = 16\ cm^2$

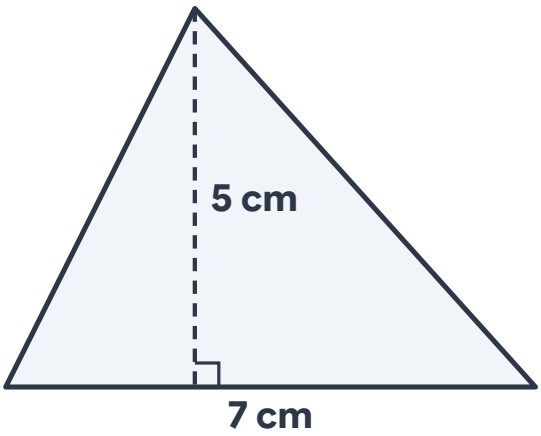
## 10 Find the area ☆




Find the area of the triangle.

Area = $10 \times 5 \div 2 = 25\ cm^2$

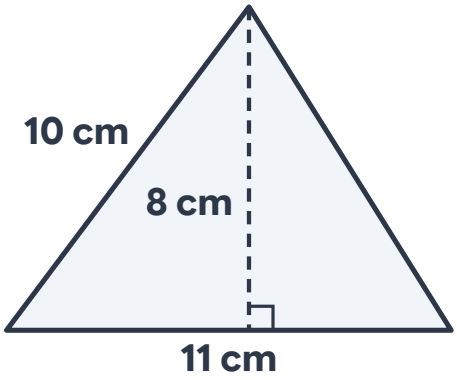
## 11 Find the area ☆☆




Find the area of the triangle.

Area = $7 \times 5 \div 2 = 17.5\ cm^2$

## 12 Find the area ☆☆

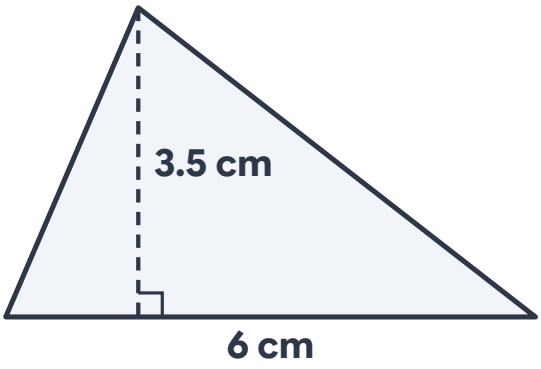



Find the area of the triangle.

Area = $11 \times 8 \div 2 = 44\ cm^2$


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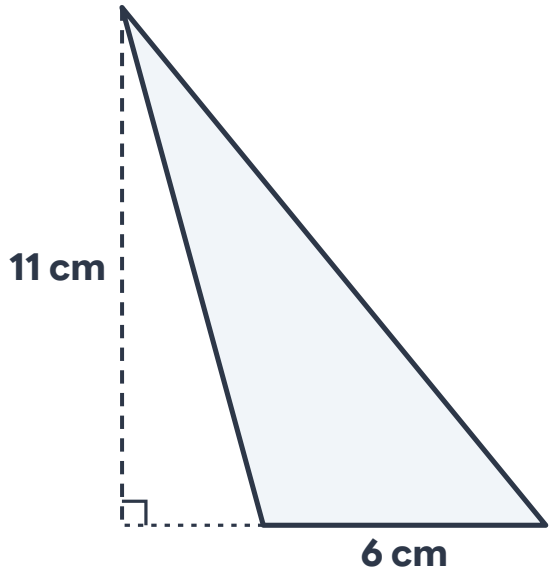
## 13 Find the area ☆☆




Find the area of the triangle.

Area = $6 \times 3.5 \div 2 = 10.5\ cm^2$

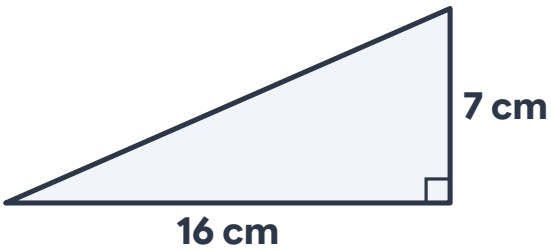
## 14 Find the area ☆☆




Find the area of the triangle.

Area = $6 \times 11 \div 2 = 33\ cm^2$

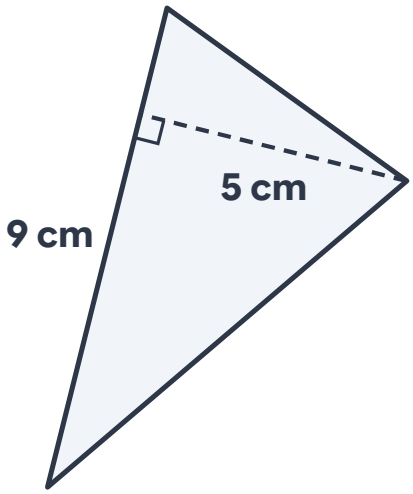
## 15 Find the area ☆☆




Find the area of the triangle.

Area = $16 \times 7 \div 2 = 56\ cm^2$

## 16 Find the area ☆☆

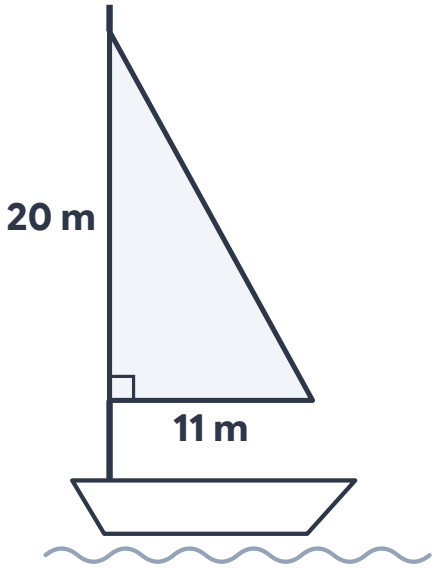



Find the area of the triangle.

Area = $9 \times 5 \div 2 = 22.5\ cm^2$


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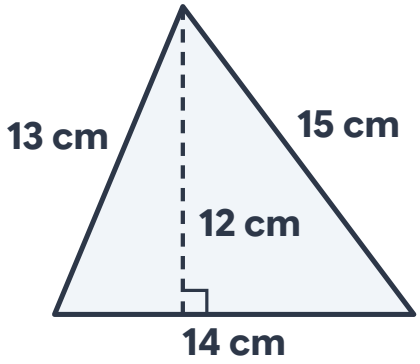
## 17 The Sail ☆☆




How much cloth is in this sail? Find its area.

Area = 11 × 20 ÷ 2 = 110 m²

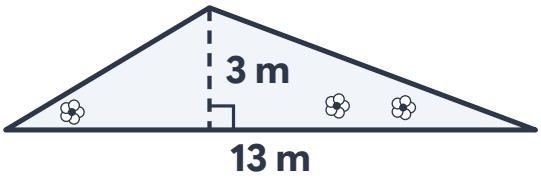
## 18 Find the area ☆☆




Find the area of the triangle.

Area = 14 × 12 ÷ 2 = 84 cm²

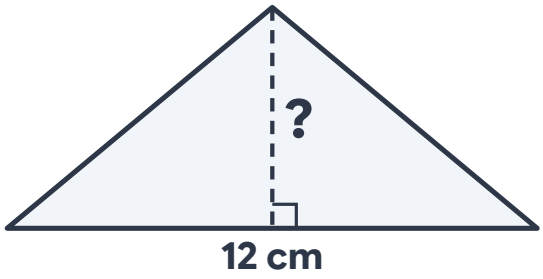
## 19 The Garden Bed ☆☆




A garden bed is shaped like a triangle. Find its area.

Area = 13 × 3 ÷ 2 = 19.5 m²

## 20 Missing Height ☆☆

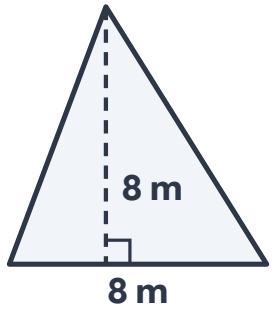



The area of this triangle is 30 cm². What is its height?

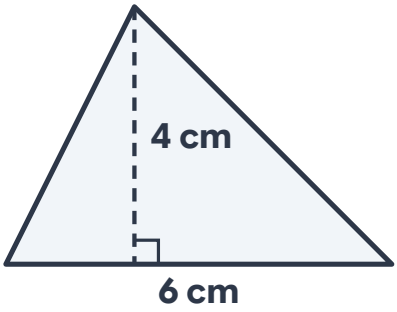
Height = 30 × 2 ÷ 12 = 5 cm


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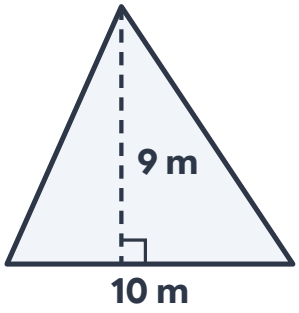
**1** What is my area? **D: 32 $m^2$**



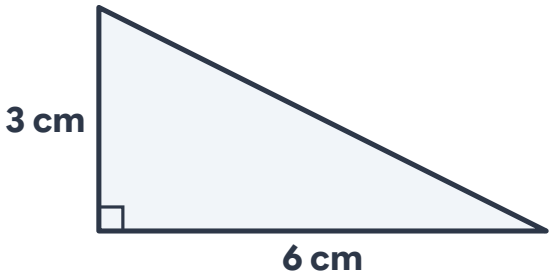

**2** What is my area? **J: 12 $cm^2$**



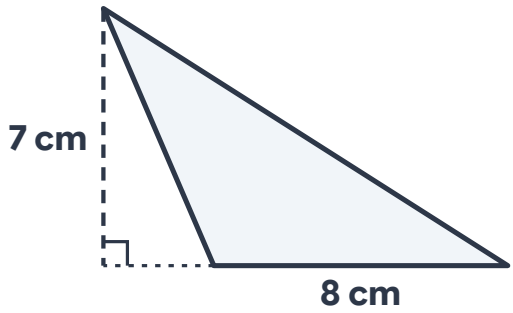

**3** What is my area? **A: 45 $m^2$**



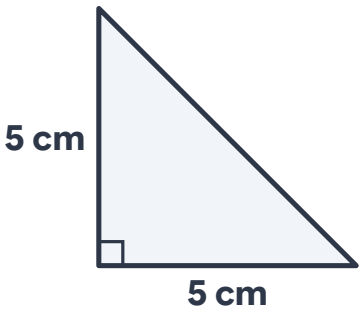

**4** What is my area? **G: 9 $cm^2$**



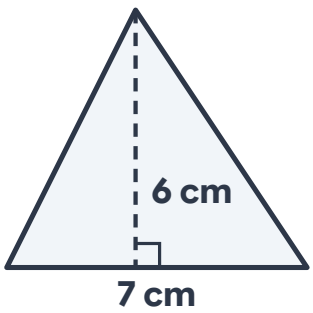

**5** What is my area? **L: 28 $cm^2$**



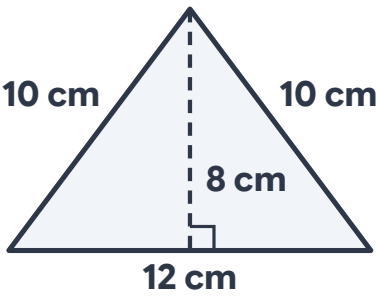

**6** What is my area? **C: 12.5 $cm^2$**




**7** What is my area? **H: 21 $cm^2$**



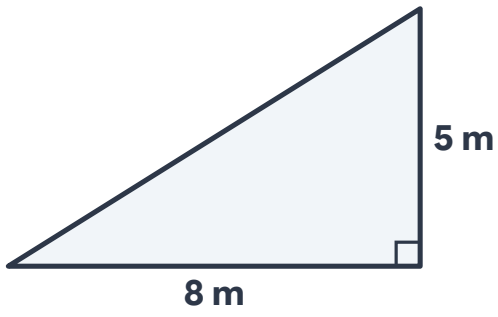

**8** What is my area? **E: 48 $cm^2$**



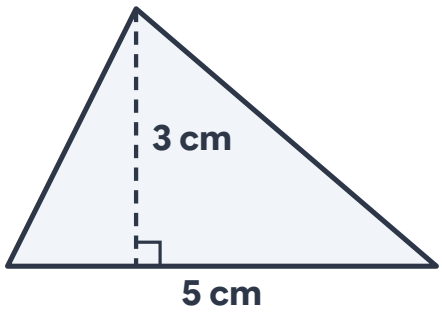


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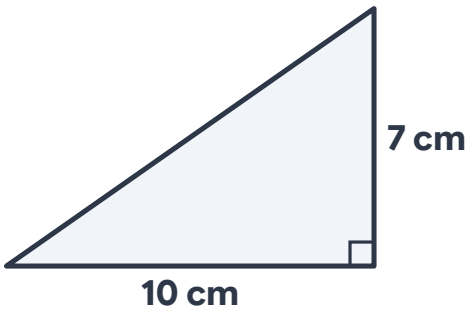
**9** What is my area? **K: 20 m²**



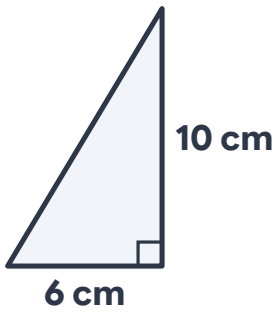

**10** What is my area? **B: 7.5 cm²**




**11** What is my area? **F: 35 cm²**




**12** What is my area? **I: 30 cm²**




**A** Area

$45\ m^2$

Triangle 3

**B** Area

$7.5\ cm^2$

Triangle 10

**C** Area

$12.5\ cm^2$

Triangle 6

**D** Area

$32\ m^2$

Triangle 1


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**E** Area

$48\ cm^2$

Triangle 8

**F** Area

$35\ cm^2$

Triangle 11

**G** Area

$9\ cm^2$

Triangle 4

**H** Area

$21\ cm^2$

Triangle 7

**I** Area

$30\ cm^2$

Triangle 12

**J** Area

$12\ cm^2$

Triangle 2

**K** Area

$20\ m^2$

Triangle 9

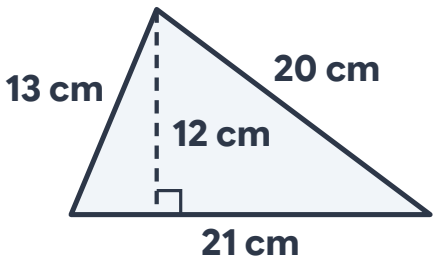
**L** Area

$28\ cm^2$

Triangle 5


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## 1 Who is right? ☆☆☆



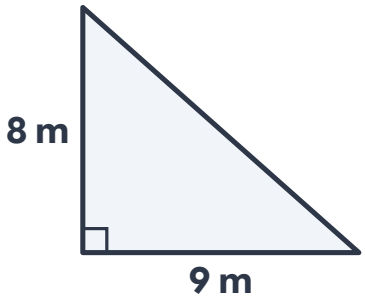

**Kai** $21 \times 20 \div 2 = 210\ cm^2$

**Ava** $21 \times 12 \div 2 = 126\ cm^2$

Who is right? **Ava**

Why? Kai used the slanted side, 20 cm. The height is the dashed line, 12 cm.

## 2 Who is right? ☆☆☆



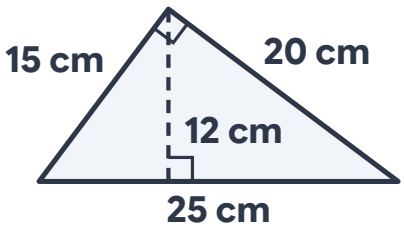

**Sam** The area is $72\ m^2$.

**Zoe** The area is $36\ m^2$.

Who is right? **Zoe**

Why? Sam forgot to divide by 2: $72\ m^2$ is the whole rectangle.

## 3 Who is right? ☆☆☆



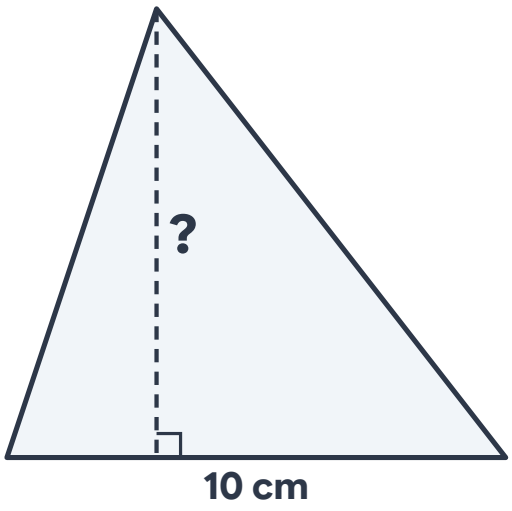

**Mia** $15 \times 20 \div 2 = 150\ cm^2$

**Leo** $25 \times 12 \div 2 = 150\ cm^2$

Who is right? **Both**

Why? 15 cm and 20 cm meet at a right angle. 25 cm with its height, 12 cm, works too.

## 4 Missing Height ☆☆☆



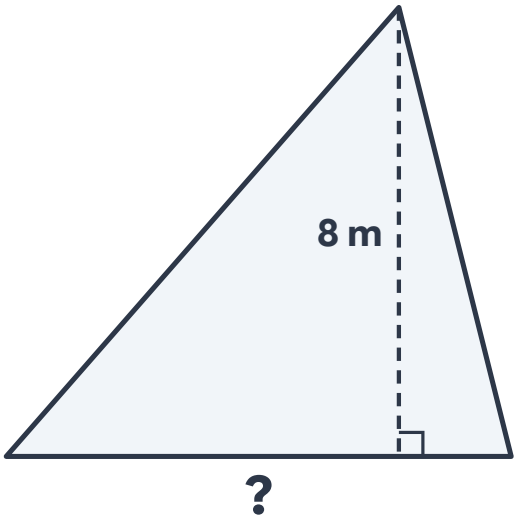

The area of this triangle is $45\ cm^2$. What is its height?

Height = **$45 \times 2 \div 10 = 9$ cm**



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## 5 Missing Base ☆☆☆

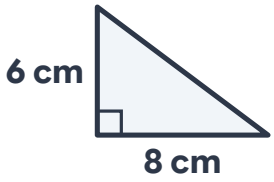



The area of this triangle is 36 m².
How long is its base?

Base = **36 × 2 ÷ 8 = 9 m**

## 6 Same Area? ☆☆☆

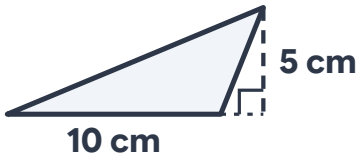
A




B




C



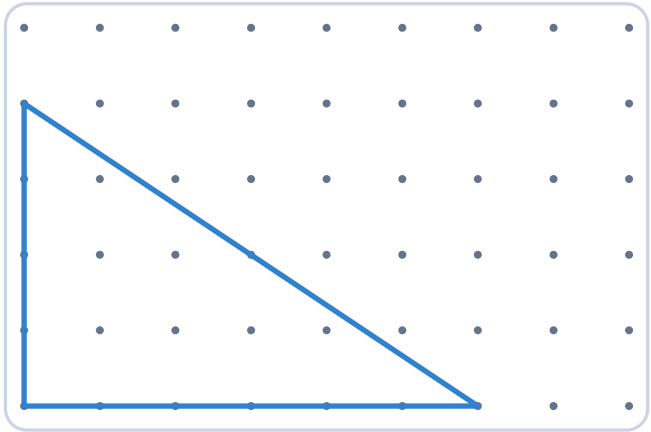

Which two triangles have the same area?

Which two? **A and B**

How do you know? **both are 24 cm²**

## 7 Draw It! ☆☆☆

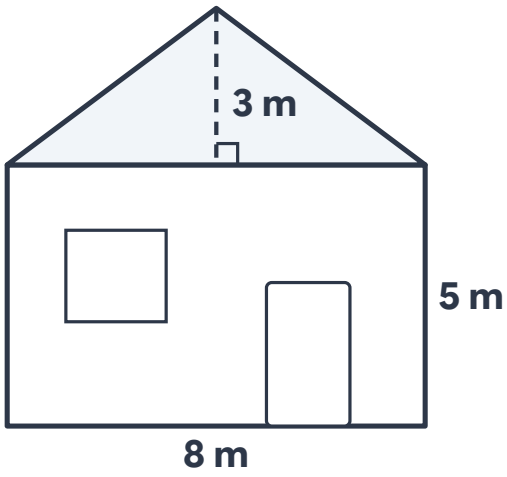
Each space between the dots is 1 cm. Draw a triangle with an area of 12 cm². Can your team find another one?



Base × height must make 24.

**Any base and height that make 24: 6 and 4, 8 and 3, or 4 and 6 (cm).**

## 8 The House ☆☆☆




Find the area of the front of the house: the wall and the roof.

House area = **40 m² + 12 m² = 52 m²**



Find worksheets, teacher tools, and more at animalmath.com
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# Recording Sheet

Name _____ Team _____

## Activity cards

| | | | |
|---|---|---|---|
| 1 24 cm² | 2 10 cm² | 3 27 cm² | 4 15 cm² |
| 5 6 cm² | 6 40 cm² | 7 14 cm² | 8 18 cm² |
| 9 16 cm² | 10 25 cm² | 11 17.5 cm² | 12 44 cm² |
| 13 10.5 cm² | 14 33 cm² | 15 56 cm² | 16 22.5 cm² |
| 17 110 m² | 18 84 cm² | 19 19.5 m² | 20 5 cm |

## Challenge cards

| | | | |
|---|---|---|---|
| 1 Ava, 126 cm² | 2 Zoe, 36 m² | 3 Both, 150 cm² | 4 9 cm |
| 5 9 m | 6 A and B | 7 b × h = 24 | 8 52 m² |

## Team scoreboard

Points each round

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

Total


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