The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 \text{ b}^2$).

Half of 15 is 7.5
This right triangle has an area of $7.5 \text{ b}^2$.

Find the area of each triangle in blocks ($\text{b}$).

1. $35 \text{ b}^2$
2. $15 \text{ b}^2$
3. $14 \text{ b}^2$
4. $21 \text{ b}^2$
5. $31.5 \text{ b}^2$
6. $20 \text{ b}^2$
7. $22.5 \text{ b}^2$
8. $31.5 \text{ b}^2$
9. $8 \text{ b}^2$
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks \((15 \text{ b}^2)\).

Half of 15 is 7.5
This right triangle has an area of 7.5 \(\text{b}^2\).

1. 35 \(\text{b}^2\)
2. 15 \(\text{b}^2\)
3. 14 \(\text{b}^2\)
4. 21 \(\text{b}^2\)
5. 31.5 \(\text{b}^2\)
6. 20 \(\text{b}^2\)
7. 22.5 \(\text{b}^2\)
8. 31.5 \(\text{b}^2\)
9. 8 \(\text{b}^2\)
The area of a **right** triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 \( b^2 \)).

Half of 15 is 7.5
This **right** triangle has an area of 7.5 \( b^2 \).

Find the area of each triangle in blocks (b).

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15b^2$).

Half of 15 is 7.5
This right triangle has an area of $7.5b^2$.

Find the area of each triangle in blocks ($b^2$).

1. $9b^2$
2. $10b^2$
3. $13.5b^2$
4. $40b^2$
5. $7b^2$
6. $15b^2$
7. $20b^2$
8. $4b^2$
9. $18b^2$
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 \( b^2 \)).

Half of 15 is 7.5.
This right triangle has an area of 7.5 \( b^2 \).

Find the area of each triangle in blocks (b).

1. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
2. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
3. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
4. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
5. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
6. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
7. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
8. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
9. \( \frac{1}{2} \times 3 \times 5 = 7.5 \)
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 b^2$).

Half of 15 is 7.5

This right triangle has an area of 7.5 $b^2$.

Find the area of each triangle in blocks ($b$).

1. $16 b^2$
2. $20 b^2$
3. $9 b^2$
4. $15 b^2$
5. $6 b^2$
6. $40 b^2$
7. $4 b^2$
8. $12 b^2$
9. $17.5 b^2$
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 \text{ b}^2$).

Half of 15 is 7.5
This right triangle has an area of $7.5 \text{ b}^2$.

Find the area of each triangle in blocks (b).
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 \(b^2\)).

Half of 15 is 7.5
This right triangle has an area of 7.5 \(b^2\).

Find the area of each triangle in blocks (b).

1) \(17.5 b^2\)
2) \(35 b^2\)
3) \(21 b^2\)
4) \(16 b^2\)
5) \(20 b^2\)
6) \(4 b^2\)
7) \(24 b^2\)
8) \(9 b^2\)
9) \(30 b^2\)
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 \( \text{b}^2 \)).

Half of 15 is 7.5.
This right triangle has an area of 7.5 \( \text{b}^2 \).

Find the area of each triangle in blocks (\( \text{b} \)).

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 

Answers

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 

Finding the Area of Right Triangles with a Grid
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 \( b^2 \)).

Half of 15 is 7.5
This right triangle has an area of 7.5 \( b^2 \).

Find the area of each triangle in blocks (\( b \)).

1) \( 14 \ b^2 \)
2) \( 17.5 \ b^2 \)
3) \( 28 \ b^2 \)
4) \( 15 \ b^2 \)
5) \( 21 \ b^2 \)
6) \( 40 \ b^2 \)
7) \( 45 \ b^2 \)
8) \( 36 \ b^2 \)
9) \( 17.5 \ b^2 \)
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 $b^2$).

Half of 15 is 7.5

This right triangle has an area of 7.5 $b^2$.

Find the area of each triangle in blocks ($b$).

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 

Answers
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 \text{ b}^2$).

Half of 15 is 7.5
This right triangle has an area of 7.5 $\text{ b}^2$.

Find the area of each triangle in blocks (b).

1. 16 $\text{ b}^2$
2. 10 $\text{ b}^2$
3. 20 $\text{ b}^2$
4. 21 $\text{ b}^2$
5. 3 $\text{ b}^2$
6. 6 $\text{ b}^2$
7. 14 $\text{ b}^2$
8. 18 $\text{ b}^2$
9. 12 $\text{ b}^2$
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 $b^2$).

Half of 15 is 7.5

This right triangle has an area of 7.5 $b^2$.

Find the area of each triangle in blocks ($b$).

1) __________
2) __________
3) __________
4) __________
5) __________
6) __________
7) __________
8) __________
9) __________

Finding the Area of Right Triangles with a Grid
Math www.CommonCoreSheets.com

Name:
Answers

7 1-9 89 78 67 56 44 33 22 11 0
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 \(b^2\)).

Half of 15 is 7.5
This right triangle has an area of 7.5 \(b^2\).

Find the area of each triangle in blocks (b).

1.)
2.)
3.)
4.)
5.)
6.)
7.)
8.)
9.)

Answers

1. 6 \(b^2\)
2. 22.5 \(b^2\)
3. 5 \(b^2\)
4. 12 \(b^2\)
5. 35 \(b^2\)
6. 12 \(b^2\)
7. 36 \(b^2\)
8. 17.5 \(b^2\)
9. 7.5 \(b^2\)
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 \text{ b}^2$).

Half of 15 is 7.5
This right triangle has an area of $7.5 \text{ b}^2$.

Find the area of each triangle in blocks (b).

1. __________
2. __________
3. __________
4. __________
5. __________
6. __________
7. __________
8. __________
9. __________
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 \text{ b}^2$).

Half of 15 is 7.5
This right triangle has an area of $7.5 \text{ b}^2$.

Find the area of each triangle in blocks (b).

Answers
1. $36 \text{ b}^2$
2. $36 \text{ b}^2$
3. $10.5 \text{ b}^2$
4. $5 \text{ b}^2$
5. $13.5 \text{ b}^2$
6. $20 \text{ b}^2$
7. $10 \text{ b}^2$
8. $10.5 \text{ b}^2$
9. $4 \text{ b}^2$
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks (15 \( b^2 \)).

Half of 15 is 7.5
This right triangle has an area of 7.5 \( b^2 \).

Find the area of each triangle in blocks (b).

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9.

Finding the Area of Right Triangles with a Grid
Math www.CommonCoreSheets.com
Name:
Answers
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 \, b^2$).

Half of 15 is 7.5
This right triangle has an area of $7.5 \, b^2$.

Find the area of each triangle in blocks ($b$).
The area of a **right** triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 \text{ b}^2$).

Half of 15 is 7.5

This **right** triangle has an area of 7.5 $\text{b}^2$.

Find the area of each triangle in blocks ($\text{b}$).

1.  
2.  
3.  
4.  
5.  
6.  
7.  
8.  
9.
The area of a right triangle is half the area of the rectangle that would surround it.

In this example, the surrounding rectangle would have an area of 15 blocks ($15 b^2$).

Half of 15 is 7.5

This right triangle has an area of $7.5 b^2$.

Find the area of each triangle in blocks (b).

1. $15 b^2$
2. $20 b^2$
3. $24 b^2$
4. $36 b^2$
5. $17.5 b^2$
6. $24 b^2$
7. $9 b^2$
8. $36 b^2$
9. $13.5 b^2$