



**THIRD SPACE
LEARNING**

Scalene triangle Worksheet

Geometry

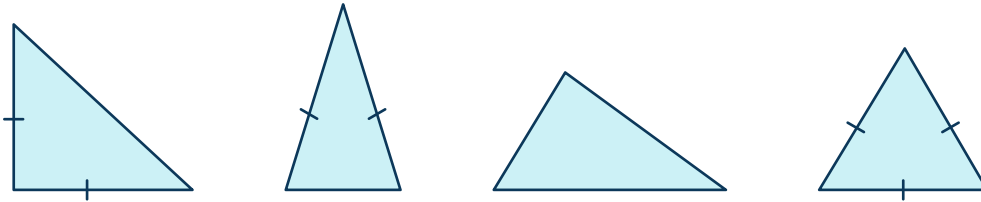
Grades 4 to 5

Skill Questions

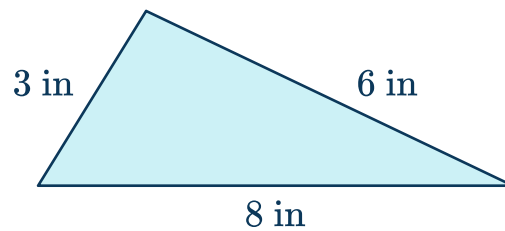
Name:

Date:

- 1 Circle the scalene triangle.

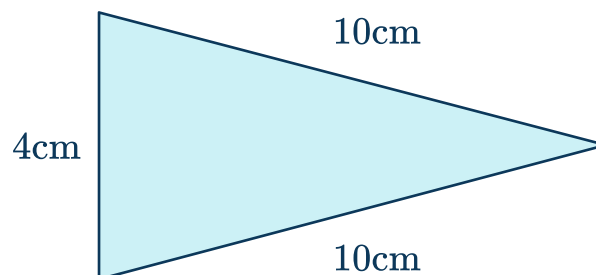


- 2 Is this shape a scalene triangle? Why or why not?



Answer

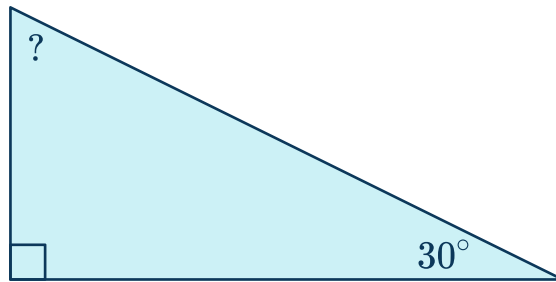
- 3 Is this shape a scalene triangle? Why or why not?



Answer

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- 4 Look at the scalene triangle. What is the missing angle measurement?



Answer

- 5 Fill in the blanks to make the sentence true.

An _____ triangle has only acute angles and no equal sides.

Answer

- 6 A triangle has angle measurements of 98° , 44° , and 38° . Is this a scalene triangle? Why or why not?

Answer

- 7 How many lines of symmetry does a scalene triangle have?

Answer

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- 8 Is the following statement never true, sometimes true, or always true?

A scalene triangle has 1 right angle.

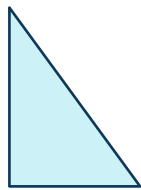
Answer

- 9 Is the following statement never true, sometimes true, or always true?

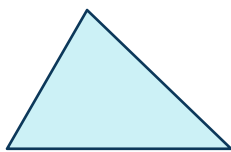
The sides of a scalene triangle are equal.

Answer

- 10 Match each triangle to its correct name.



obtuse scalene triangle



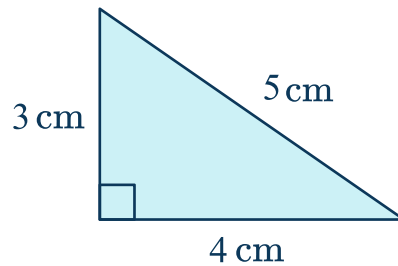
right scalene triangle



acute scalene triangle

Applied Questions

- 11 Daniel drew the triangle shown below.



Daniel says the triangle is a scalene triangle. His friend, Leah, says its a right triangle.

Who is correct?

Answer

- 12 A garden is shaped like a scalene triangle. The perimeter of the garden is 38 feet. One side length of the garden is 18 feet. Fill in the blanks to make each sentence true.

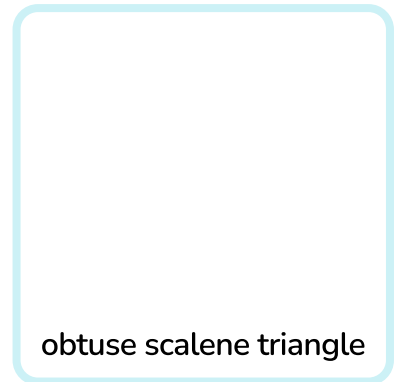
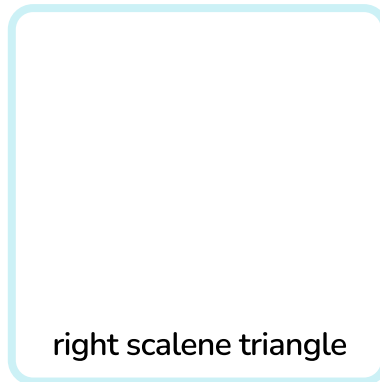
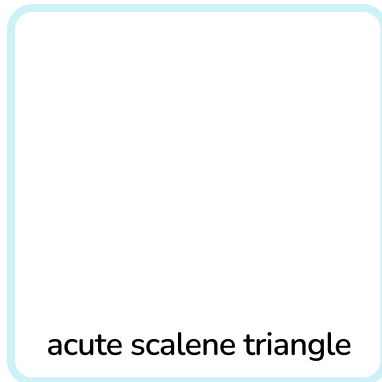
The other side lengths could be ____ feet and ____ feet.

The other side lengths can NOT be ____ feet and ____ feet.

Answer

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- 13 Draw an example of each type of scalene triangle. Describe their similarities and differences.



- 14 Ellie draws a triangle with 3 acute angles. The triangle has 1 line of symmetry.

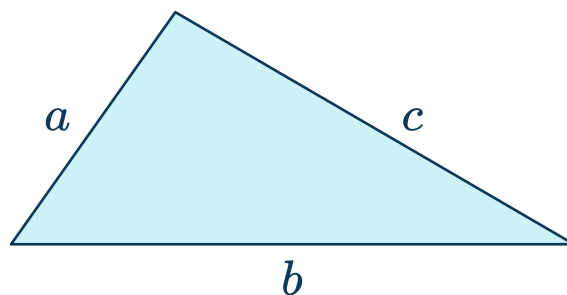
Can Ellie's triangle be a scalene triangle? Why or why not?

Answer

- 15 Triangle abc is scalene. Use the clues to answer the question.

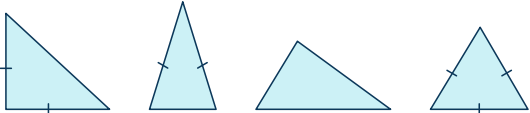
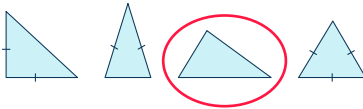
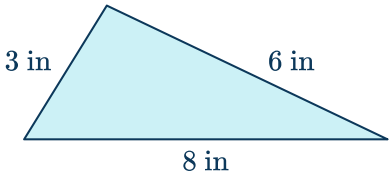
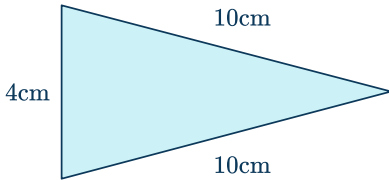
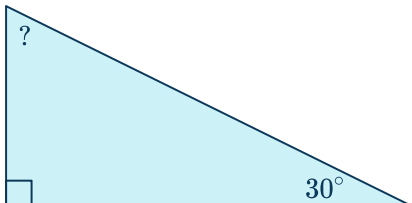
- The perimeter of the triangle is 61 inches.
- The length of side a is 13 inches.
- Side b is twice the length of side a .

What is the length of side c ?

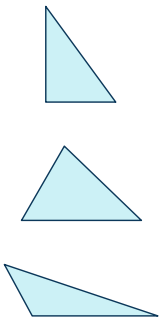
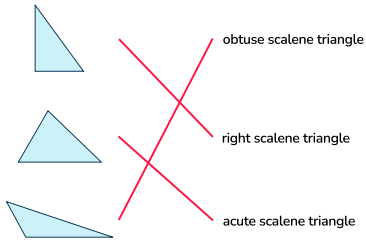


Answer

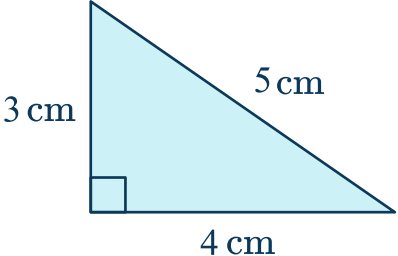
Answers

Question number	Question	Answers	Standard
1	Circle the scalene triangle. 		4.G.A.2
2	Is this shape a scalene triangle? Why or why not? 	Yes, because none of the sides are the same length.	4.G.A.2
3	Is this shape a scalene triangle? Why or why not? 	No, because 2 sides are the same length.	4.G.A.2
4	Look at the scalene triangle. What is the missing angle measurement? 	60°	Standard included
5	Fill in the blanks to make the sentence true. An _____ triangle has only acute angles and no equal sides.	acute scalene	4.G.A.2 5.G.B.3

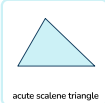
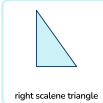
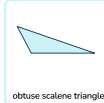
Scalene triangle Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
6	A triangle has angle measurements of 98° , 44° , and 38° . Is this a scalene triangle? Why or why not?	Yes because it has 3 different sized angles.	4.G.A.2
7	How many lines of symmetry does a scalene triangle have?	zero	4.G.A.2
8	Is the following statement never true, sometimes true, or always true? A scalene triangle has 1 right angle.	Sometimes. A scalene triangle can contain a right angle if the other two angles are not both 45 degrees.	Standard included
9	Is the following statement never true, sometimes true, or always true? The sides of a scalene triangle are equal.	This statement is never true.	4.G.A.2 5.G.B.3
10	Match each triangle to its correct name.  obtuse scalene triangle right scalene triangle acute scalene triangle	 obtuse scalene triangle right scalene triangle acute scalene triangle	4.G.A.2 5.G.B.3

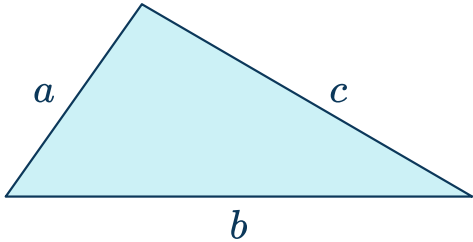
Scalene triangle Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
11	Daniel drew the triangle shown below.  Daniel says the triangle is a scalene triangle. His friend, Leah, says its a right triangle. Who is correct?	They are both correct. It is a scalene triangle because all of its sides are different lengths. It is also a right triangle because it has a 90° angle. The best name for it would be a right scalene triangle.	4.G.A.2 5.G.B.3
12	A garden is shaped like a scalene triangle. The perimeter of the garden is 38 feet. One side length of the garden is 18 feet. Fill in the blanks to make each sentence true. The other side lengths could be ____ feet and ____ feet. The other side lengths can NOT be ____ feet and ____ feet.	Note: For the first part to be correct, students must write 2 different numbers that add up to 20. Example: The other side lengths could be 11 feet and 9 feet. The other side lengths can NOT be 10 feet and 10 feet.	4.G.A.2

Scalene triangle Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
13	Draw an example of each type of scalene triangle. Describe their similarities and differences. acute scalene triangle right scalene triangle obtuse scalene triangle	   Similarities: They are all triangles, so they each have 3 sides. They are also all scalene triangles, so none of their sides are equal. Differences: An acute scalene triangle has all acute angles, a right scalene triangle has 1 90° angle, and an obtuse scalene triangle has 1 obtuse angle.	4.G.A.2 5.G.B.3
14	Ellie draws a triangle with 3 acute angles. The triangle has 1 line of symmetry. Can Ellie's triangle be a scalene triangle? Why or why not?	No, because a scalene triangle has no lines of symmetry. If the triangle has 1 line of symmetry, that means it has 2 equal sides (isosceles triangle). A scalene triangle has no equal sides so it has no lines of symmetry.	4.G.A.2

Scalene triangle Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
15	Triangle abc is scalene. Use the clues to answer the question. - The perimeter of the triangle is 61 inches. - The length of side a is 13 inches. - Side b is twice the length of side a. What is the length of side c? 	Side $c = 22$ inches	4.G.A.2

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